

Supplementary Materials for  
**VP4- and VP7-specific antibodies mediate heterotypic immunity to  
rotavirus in humans**

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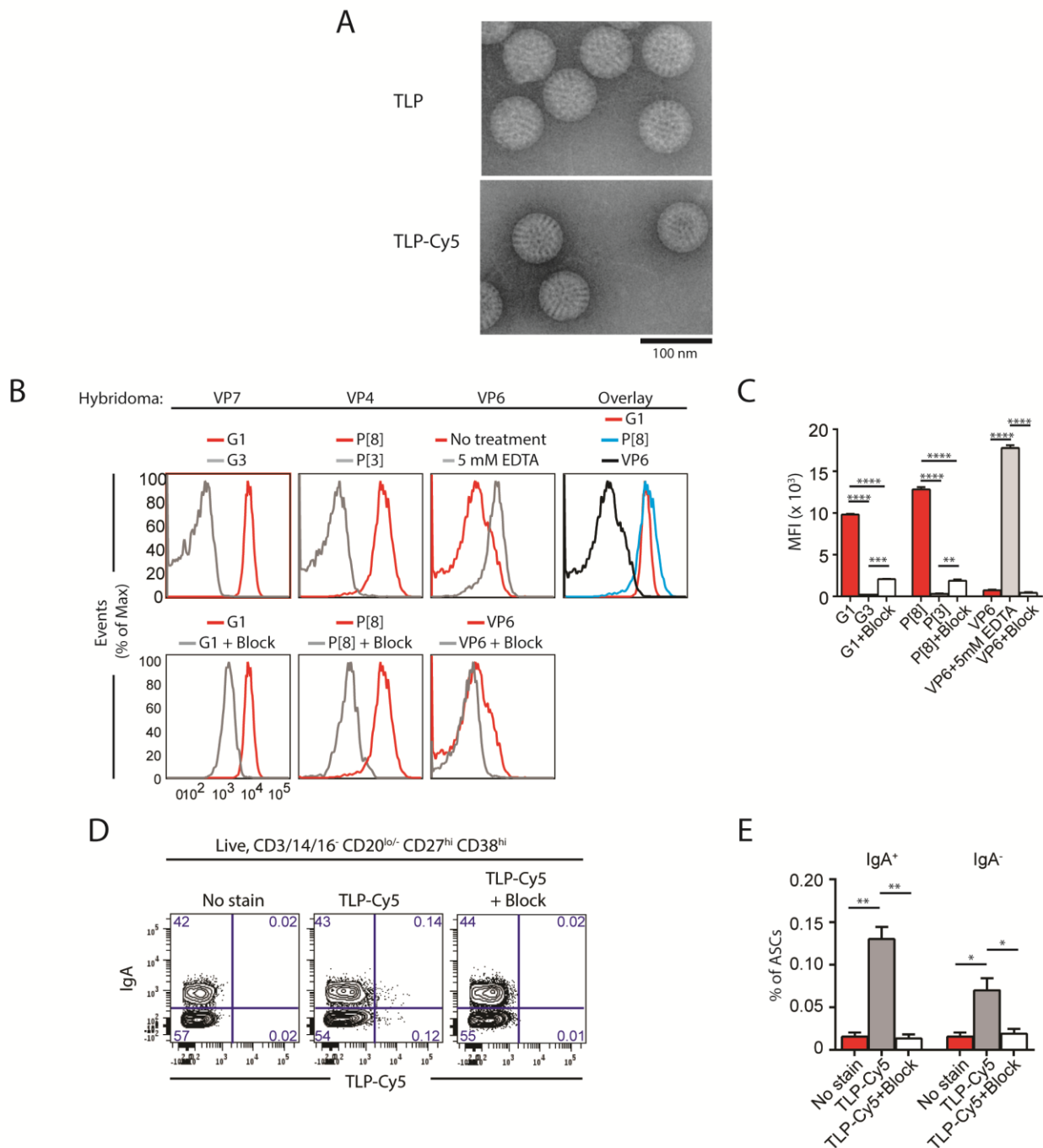
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## Supplementary Materials



**Fig. S1. Identification of RV-specific B cells by flow cytometry using TLP-Cy5.** (A) The integrity of Cy5-labeled TLPs (CDC-9 strain, G1P[8]) was examined by electron microscopy. (B) Shown is TLP-Cy5 staining of G1- (5e8), P[8]- (1a10), G3- (159) and P[3]- (7a12) specific murine hybridomas with and without blocking with unlabeled TLPs, and TLP-Cy5 staining of VP6-specific hybridoma (1e11) with and without blocking and treatment of TLP-Cy5 with 5 mM EDTA. Shown are representative histogram overlays and (C) results from two independent experiments. (D) Identification of human intestinal TLP-binding B cells by gating on unstained cells. Blocking with unlabeled TLPs reduced TLP-Cy5-specific staining on intestinal ASCs. Shown are FACS plots from a representative donor and (E) the mean frequency of intestinal TLP<sup>+</sup> ASCs  $\pm$  SD from repeated experiments on two donors. At least 200,000 events were acquired per sample. Group comparisons performed using one-way ANOVA. P values obtained by Tukey's multiple comparisons test. \*, P<0.05; \*\*, P<0.01; \*\*\*, P<0.001.

**Table S1. Fluorescently tagged Abs used for FACS staining.**

<b>Antigen</b>	<b>Fluorochrome</b>	<b>Clone</b>	<b>Vendor</b>
CD3	PE-Cy7	SKY	BD Biosciences
CD14	PE-Cy7	M5E2	BD Biosciences
CD16	PE-Cy7	3G8	BD Biosciences
CD20	APC-H7	2H7	BD Biosciences
CD27	PE-Cy7	MT271	BD Biosciences
CD38	PerCP-Cy5.5	HIT2	BD Biosciences
IgA	FITC	IS11-8E10	Miltenyi Biotec

**Table S2. Human and animal RVs used in the study.**

RV strain	G serotype	P genotype	Strain origin
Wa	G1	P[8]	Human
CDC-9	G1	P[8]	Human
DS1	G2	P[4]	Human
ST3	G4	P[6]	Human
69M	G8	P[10]	Human
116E	G9	P[11]	Human
#321	G10	P[11]	Human
W161	G9	P[8]	Human
L26	G12	P[4]	Human
RRV	G3	P[3]	Simian
DxRRV	G1	P[3]	Mono VP7 reassortants
DS1xRRV	G2	P[3]	Mono VP7 reassortants
ST3xRRV	G4	P[3]	Mono VP7 reassortants
OSU	G5	P[7]	Porcine
NCDV	G6	P[1]	Bovine
UK	G6	P[5]	Bovine

**Table S3. Summary of the binding reactivities of RV-specific human recombinant mAbs.**

Mab No.	Subject ID	RV protein specificity	Endpoint immunostaining concentration (ng/ml) of RV-infected MA104 cells							Binding to BV-expressed viral proteins expressed in Sf9 cells					Binding to recombinant RV VP8* proteins by ELISA			Immunoprecipitation of recombinant RV VP5* protein
			Wa	DS1	ST3	RRV	NCDV	OSU	VP4		VP7	VP6	VP8*	VP8*	VP8*	VP5*		
			G1P[8]	G2P[4]	G4P[6]	G3P[3]	G6P[1]	G5P[7]	[P8]	[P6]	[P4]	G1	RRV	[P8]	[P6]	[P4]	[P8]	
2	001	VP4	VP5*	5.0	5.0	-	-	-	-	+	+	+	-	-	-	-	-	+
30	002		VP5*	5.0	5.0	5.0	-	50.0	5.0	+	+	+	-	-	-	-	-	+
33	002		VP5*	50.0	50.0	5.0	50.0	50.0	5.0	+	+	+	-	-	-	-	-	+
41	003		VP5*	0.5	5.0	0.5	5.0	5.0	5.0	+	+	+	-	-	-	-	-	+
4	001		VP8*	0.5	0.5	-	-	-	-	+	-	+	-	-	+	+	+	
6	004		VP8*	0.5	0.5	-	-	-	-	+	-	+	-	-	+	-	+	
8	004		VP8*	5.0	50.0	-	-	-	-	+	-	+	-	-	+	-	+	
9	004		VP8*	0.5	0.5	-	-	-	-	+	-	+	-	-	+	+	+	
11	004		VP8*	0.5	500.0	-	-	-	-	+	-	+	-	-	+	-	-	
12	005		VP8*	5.0	50.0	-	-	-	-	+	-	+	-	-	+	-	+	
13	005		VP8*	5.0	-	-	-	-	-	+	-	-	-	-	+	-	-	
14	005		VP8*	5.0	5.0	-	-	-	-	+	-	+	-	-	+	-	+	
15	005		VP8*	0.5	5.0	-	-	-	-	+	-	+	-	-	+	-	+	
16	005		VP8*	0.5	0.5	-	-	-	-	+	-	+	-	-	+	-	+	
18	005		VP8*	5.0	5.0	50.0	-	-	-	+	-	+	-	-	+	+	+	
19	005		VP8*	5.0	5.0	-	-	-	-	+	-	+	-	-	+	-	+	
20	005		VP8*	5.0	5.0	-	-	-	-	+	-	+	-	-	+	-	+	
21	005		VP8*	0.5	5.0	-	-	-	-	+	-	+	-	-	+	-	+	
23	005		VP8*	5.0	5.0	-	-	-	-	-	-	+	-	-	+	-	+	
29	002		VP8*	5.0	-	-	-	-	-	+	-	-	-	-	+	-	-	
31	002		VP8*	5.0	50.0	-	-	-	-	+	-	+	-	-	+	-	-	
35	002		VP8*	5.0	5.0	-	-	5.0	50.0	+	-	+	-	-	+	-	+	
43	005		VP8*	5.0	-	-	-	-	-	+	-	-	-	-	+	-	-	
44	002		VP8*	0.5	50.0	-	-	-	-	+	-	-	-	-	+	-	+	
55	001		VP8*	5.0	0.5	5.0	-	-	-	+	-	+	-	-	+	+	+	
60	002		VP8*	5.0	-	500.0	500.0	500.0	-	+	-	-	-	-	+	-	-	
47	002		VP8*	0.5	0.5	-	-	-	-	+	-	+	-	-	-	-	-	
62	003		ND	0.5	0.5	-	-	-	-	+	-	+	-	-	-	-	-	
22	005	VP7		500.0	-	-	-	-	-	-	-	-	+	-	-	-	-	
27	002			0.5	-	-	-	-	-	-	-	-	+	-	-	-	-	
46	002			0.5	-	-	-	-	-	-	-	-	+	-	-	-	-	
57	002			0.5	0.5	500.0	5.0	-	50.0	-	-	-	+	-	-	-	-	
10	004	VP6		0.5	5.0	5.0	5.0	0.5	0.5	-	-	-	-	+	-	-	-	

ND, VP5\* or VP8\* specificity not determined

**Table S4. Molecular characteristics of RV neutralizing human mAbs.**

Mab No.	Subject ID	RV protein specificity	IGH			IGL			CDRH3 amino acid sequence	Neutralizing reactivity	
			VH	DH	JH	L or K	VL	JL			
2	001	VP4	VP5*	3-15*01	2-21*02	5*02	L	5-37*01	3*02	TTRLLFSP	Heterotypic, P[4], P[8]
30	002		VP5*	1-46*01	1-1*01	6*02	K	3-15*01	J2*01	ARGAIGNYNAREALDV	Heterotypic, P[4], P[6], P[8]
33	002		VP5*	3-64D*06	6-19*01	4*02	K	1-5*03	1*01	VTDVLRPLPYSTGWSPGDFIY	Heterotypic, P[8], P[3], P[6]
41	003		VP5*	3-48*03	6-19*01	5*02	L	6-57*01	3*02	ATISHQQFSSGWNWAFDP	Heterotypic, P[3], P[4], P[6], P[8]
9	004		VP8*	4-61*02	2-15*01	6*02	L	9-49*01	3*02	VADYYSVDPV	Homotypic, P[8]
19	005		VP8*	4-30-2*01	3-3*01	2*01	L	1-44*01	3*02	ARVNDFWSGSHYTWFYDI	Homotypic, P[8]
47	002		VP8*	4-59*01	6-19*01	J6*02	K	2-28*01	4*01	ARTMGIDQNNRGWPPAGYYFGMDV	Heterotypic, P[4], P[8]
27	002	VP7		4-59*01	5-24*01	5*02	K	3-20*01	4*01	AREGVGYGYNNGGNWFDP	Homotypic G1
46	002			4-59*01	3-9*01	2*01	K	3-20*01	4*01	ARNFPSYTPDWFFDL	Homotypic G1
57	002			3-30*01	6-19*01	4*02	L	1-40*01	J1*01	ARAAGIMVAGTFLTEFYFDY	Heterotypic G1, G2, G3

ND, VP5\* or VP8\* specificity not determined

**Table S5. Primers used for amplifying RV (Wa) genes.**

<b>Gene</b>	<b>Forward primer</b>	<b>Reverse primer</b>
VP4	5'- GGT ACC GCC ACC ATG GCT TC - 3'	5' - AAG CTT TTA TCA CAA TTT ACA TTG TAG TAT TAA CTG TTC AAT TC - 3'
VP5*	5'- GGT ACC GCC ACC ATG GCA CAA GT - 3'	5' - AAG CTT TTA TCA CAA TTT ACA TTG TAG TAT TAA CTG TTC AAT TC - 3'
VP8*	5' - GGT ACC GCC ACC ATG GCT TC - 3'	5'- AAG CTT TTA TCA TCT CTT ATA CTG TAT CGA TCT AGA TGA TAA TG - 3'

Table S6. *IGHV* and *IGLV* nucleotide sequences of all Abs in the study.

Subject ID	Ab ID	Expressed mAb no.	<i>IGHV</i> or <i>IGLV</i>	Sequence
001	p118w100		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAAACCCTGTCCCTCACCTGCACTGTCTCTGGTGACTCCATTAGTAGTTACTACTGGGGCTGGATCCGGCAGCCCCAGGACGGGAGCTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACCTACAACCCTCCCTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTACTGTGCGAGAGATTCCGCGATTCCGTGGGTACAGCTATACCCTTGACTCCTGGGGCCAGGGAATGCTGGTCACCGTCTCCTCAG
001	p118w104		<i>IGHV</i>	TCTTTCTATTCCGTTGGGAGCACCACCTACAACCCTCCCTCAAGAGTCGAGTCACCATATCAATAGACACGTCCAAGAACCAGTTTTCTTGAACCTGTTCTGTGACCGCTGCGGACACGGCCATTTATTACTGTGTGAGAGATTCCGCGATTCCGTGGATACAAATATACCCTTGACTCCTGGGGCCA GGGCATGTTGGTCACCGTCTCCTCAG
001	p118w108		<i>IGHV</i>	ACTTATGATGCTTACACTTCTTACACAAATTACGCACAGAAATCCAGGGCAGAGTCACCGTGACCACAGACACTTCCACGAGCAGGCCTACATGGAAGTGGAGCCTAAGGTCTGACGACACGGCCGTCTATTACTGTGCGAGAGTGGTCATAGCAAGTCGTTTCGACTTGTGGGGGCCAGG GAACGCTGGTCACCGTCTCCTCCG
001	p118w109		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAAACCCTGTCCCTCACCTGCACTGTCTCTGGTGACTCCATCAGTAGTTACTACTGGGGCTGGATCCGGCAGCCCCGACGGGAGCTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACCTACAACCCTCCCTCAAGAGTCGAGTCACCATATCAATAGACACGTCCAAGAACCAGTTTTCTTGAACCTGTTCTCTGTGACCGCTGCGGACACGGCCATTTATTACTGTGTGAGAGATTCCGCGATTCCGTGGATACAAATATACCCTTGACTCCTGGGGCCAGGGCATGTTGGTCACCGTCTCCTCAG
001	p118w112		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGACTCCATCAGCAGTGGTACTTACTACTGGAGCTGGATCCGGCAGCCCCGAGCCCGAGAAGGGACTGGAGTGGATTGGCGTATCTATACCAGTGGGAGCACCATTATAAC CCCTCCCTCGAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACAGACGGCCA TATATTACTGTGCGAGAGCGGTAATGTAGTGGGGTAGCTGCTACTCCGATGCTTTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTC TTAG
001	p118w114		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCATCTTCAGTGAC TACTACATGGACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGATTAGAAACAAAGATAAGAGTTACACCACAGACTAC GCCGCGTCTGTGAAAGGCAGATTACCTTCTCAAGAGATGATTCAAAGAACTCAGTGTTCGCAAAATGAGCAGCCTGACAACCGAGGACACGG CCGTGTATTACTGTGTTAGAGATACCGGGAAAGACGGCTACGAAAATTGGGGCCAGGGAACGCTGGTCACCGTCTCCTCAG
001	p118w119		<i>IGHV</i>	GAGGTGCAGTTGGCGGAATCTGGGGGAGGCTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACATTTAATAGG CATTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGACATAAAGCAAGATGGAAGCGTCAAATACTATGTGGAC TCTGTGAAGGGCCGATTACCATTTCCAGAGACGACGTCAAGGACTCCGTGTATCTGCAGATGAACAGCCTGGGAGCCGAGGACACGGCTGTC TATTACTGTGCGAGAGGCCCTCAGTACGGTGCCAGGGTCGACTACTTAGACCTCTGGGGCCAGGGATCCCTGGTCACCGTCTCCTCAG
001	p118w122		<i>IGHV</i>	GGGAATCAATCATCGGGGAACCACCCTACAATCCGTGCTGCGAGAGTCGTGTGACCATGTCGGTCGACACGTCCAAGAATCAATTCTCCCTG AATCTGACCTCAGTGTCCGCCGCGACACGGCTCTTTATTACTGTGCGAGAGCCCCCTATTACTATGACAGGGCGACCTTTCCATGTTCTACTA CGGCCTGGACGCCTGGGGGCAGGGGACTACGGTCACCGTCTCCTCTT
001	p118w126		<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAAGTGAAGGCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAACTATGCACAGA CCTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TTAAGTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTCGACCCCTGGGGCCAGGGAACCGTGGTCACCGTCTCCTCAG
001	p118w135		<i>IGHV</i>	GAGGTGCAGTTGGCGGAATCTGGGGGAGGCTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACATTTAAGAGG CATTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGACATAAAGCAAGAGGGAAGCGTCAAATACTATGTGGA CTCTGTGAAGGGCCGATTACCATTTCCAGAGACGACGTCAAGGACTCCGTGTATCTGCAGATGAACAGCCTGGGAGCCGAGGACACGGCTGT CTATTACTGTGCGAGAGGCCCTCAGTACGGTGACAGGGTCGACTACTTAGACCTCTGGGGCCAGGGATCCCTGGTCACCGTCTCCTCAG
001	p118w136		<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAAGTGAAGGCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAACTATGCACAGA CCTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TTAAGTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTCGACCCCTGGGGCCAGGGAACCGTGGTCACCGTCTCCTCAG



001	p118w14	1	<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAAGTGAAGGCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAACTATGCACAGA CCTTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TACTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTCGACCCCTGGGGCCAGGGAACCGTGGTACCGTCTCCTCAG
001	p118w143	51	<i>IGHV</i>	CAGCTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCGTCTGGATTACAGCTCAATAAT GATGGCATGCACTGGTCCGCCAGGCTCCAGGCAAGGGACCGGAGTCGGTGGCATTTCATATGGTATGATGGAAGTACTAAATATTATGGAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAACCTCCGAGAACACACTCTACCTGCAAATGAACAACCTGAGAGCCGAGGACACGGCTGTCTA TTATTGTACGAAAGTTCCAAGGGATACAGTTCCGGCAGTTATAATATGCATGACGCTTTTGATATCTGGGGCCAGGGACAATGGTACCGTCT CTCAG
001	p118w145		<i>IGHV</i>	CAGTGGTACTTACTACTGGATCTGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGTATCTATACCAGTGGGAGCACCAGCTA TAACCCCTCCCTCGAGAGTCGAGTCAACATATCAGTAGACACGTCCAACAACCACTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGAGACACG GGCGTATATTACTGTGCGAGAGCGGGCCAATGCAGTGATGGTAGTTGCTACTCCGATGCTTTTGACATCTGGGGCCAAGGGACAATGGTACCG TCTCTTAG
001	p118w146		<i>IGHV</i>	GAGATGCAACTGGTACAGTCCGGGGGAGGCTTAGTTCAGCCTGGGGATCGCTGAGACTCTCCTGTGCAGCCTCTGGATTTCATCTCAGTGAC CACTGCATGCACTGGGTCCGCCAAGCTCCAGGGAAGGGGCTGGTGTGGGTCTCACGCCTTTGCTCCTGAAGGCAATCTGGCAACCTACGCGGAC TCCGTGAGGGGTGATTACCATCTCTAGAGACAACCAAGAACACAGTGTATCTGCAAATGAACAGCTGAGAGCCGAGGACACGGCTATAT ATTACTGCACAAGAAATTTGATTGTGACGAAGACTGGGGCCCGGGGACCCTGGTACCCGTCTCCTCAT
001	p118w15		<i>IGHV</i>	CAGGTAGAACTACAACAGTCAGGTCCACGACTGGTGAAGGCCTCGCAGACCCCTCTCACTCACCTGTGCCATCTCCGGGGACAGTGTCTTAGC GACAGGGCTGGTTGGAAGTGGATCAGGCATTCCCCATCGAGAGGCCTTGAGTGGCTGGGAAGGACATACTACAGTCCGAGTGGTATAATGCA TATGCACCGTTTGTGAAAAGTCGAATAACCATCGACCCAGACACATCCAAGAACGAGTTGTCCCTGCAGCTGACGTCTGTTACTTCCGAGGACGC GGGTGTCTATTACTGTGCAAGAGAATCGGATGTCAGTGGCTGGTGGGGATTTGACTACTGGGGCCAGGGATCCCTAGTACCCGTCTCCGAG
001	p118w159		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCGGCAGT GGTGATTACTACTGGAAGTGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGTATCTTTGTGAGTGGGAGCACCAGCTACAAC CCCTCCCTCGAGAGTCGGCTCACCATATCAGTAGACACGTCCAAGAACCAGCTCTCCCTGAAGCTGAGCTCTGTGACCGCCGAGACACGGCC GTGTATTATTGTGCGAGAGGGGATTGTGTAGTGGTGGTAGCTGCTACTCTGATGCTTTTGATATCTGGGGCCAAGGGACAATGGTACCCGTCT CTCCG
001	p118w162		<i>IGHV</i>	CAGGTGCAACTACAACAGTGGGGCGCAGGACTGTTGAAGCCTTCGGACACCCTGTCCCTCACCTGCGCTGTCTATGGTGGTCCCTCAGTGGT GCGACTGGAGCTGGGTCCGCCAGTCCCCGGGGGAAGGGGTTGGAGTGGATTGGGGGAATCAATCATCGGGGAACCACCCTACAATCCGTGCG CTCGAGAGTCGTGTGACCATGTGCGTGCACACGTCCAAGAATCAATTTCCCTGAATCTGACCTCAGTGTCCGCCGGACACGGCTCTTTATT ACTGTGCGAGAGCCCCCTATTACTATGACAGGGCGACCTTCCATGTTCTACTACGGCCTGGACGCCTGGGGCAGGGGACTACGGTACCCG TCTCCTCT
001	p118w163		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGAAACCCCGTCCCTCACCTGCAGTGTCTCTGGTGGTACTCCATTAGTAGT AACTACTGGGGCTGGATCCGGCAGTCCCAGGGAAGGGACTGGAGTGGATTGCGTCCCTTCTATTCCGTTGGGAGGATCACCTACAACCCCTCC CTCAAGAGTCGAGTACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATT ACTGTGCGAGAGATTCGCGATTCCGTGGGTACACCTATACCCTGACTCCTGGGGCCAGGGAATGCTGGTACCCGTCTCCTCAG
001	p118w164		<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAAGTGAAGGCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAACTATGCACAGA CCTTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TACTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTCGACCCCTGGGGCCAGGGAACCGTGGTACCGTCTCCTCAG
001	p118w17		<i>IGHV</i>	CATCTGGATACATTTTACCAGCTACCATATGCACTGGGTGCGACTGGCCCTGGACAGGGGCTTGAGTGGATGGGAATAATCAATCCTAGTCCG TGGTAGCACAATTTACGCACAGAAGTTCCAGGGCAGAGTCAACATGACCAGGGACACATCCACGAGCAGTCTACATGGAATTTAGCAGCCTG AGGTCTGAGGACACGGCCGTGATTACTGTGCGAGAGATCCGGCGGTGGTAATGTTTGCTACCCCTCGTACTACTTTGACTACTGGGGCCAGG GAACCCCTGGTACCGTCTCCTCA
001	p118w172		<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAAGTGAAGGCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAACTATGCACAGA CCTTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TACTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTCGACCCCTGGGGCCAGGGAACCGTGGTACCGTCTCCTCAG

001	p118w174		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCCCAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTAGT GGTGATTACTTCTGGAAC TGGTCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGCCGTATCTTTACCAGTGGGAGCACCACTACAAC CCCTCCCTCCAGAGTCGAGTCAGCATATCAATAGACACGTCCAAGAACCAATTCTCCCTGAACCTGAGCTCCGTGACCGCCGAGACACGGCCG TGTATTACTGTGCGAGAGCCGGCTCTTGTAGTGGTGGTAGCTGCTACTCCGATGCTTTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTC TTCAG
001	p118w175		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAAAGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCAATGTCTCTGGTGACTCCATCAACAGT GGTAGTTACTTCTGGAAC TGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGCATTACACCGGTGGGAGCACCACCTACAAC CCCTCCCTCACGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCCTCTCCCTGAAGTTGAGTTCTGTGACCGCCGAGACACGGCCG TGTATTACTGTGCGAGAGCCGGTCTTGTAGTGGTGGTAGCTGCTACTCCGATGCTTTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTC TTCAG
001	p118w176		<i>IGHV</i>	CAGGTGCAGCTCCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCATCTGCTCTGTCTCTGGTGGCTCCGTCAGTAGT TACTACTGGAGCTGGATCCGGCAGTCCCCAGGGAAGGGACTGGAGTGGATT GGAAACCCTGTCCCTCACCTGCACTGTCTCTGGTACTCCATCAGTAGTTACTACTGGGGCTGGATCCGGCAGTCCCCAGGGAAGGGACTGGA GTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACTACAACCCTCCCTCAAGAGTCGAGTCACCATATCAGTAGATACGTCCAAGAACCAGTT CTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTACTGTGCGAAAGATTCCGGATTTCTGGATACAAATATACCCTTGACT CCTGGGGCCAGGGCATGCTGGTCACCGTCTCCTCAG
001	p118w177		<i>IGHV</i>	ACTGCCTCTGGATTACCTTCATTAGTTATGGCATTCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATTTACATG ATGGAGGTGAAAAATCGTATGCAGACTCCGTGAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACACTGTATCTGCAAATGAACAG CCTGAGAGCTGAGGACACGGCTGTGTATTACTGTGCGAAAGGGGAGAATTACTATGATAGGAGTGGTTATTTTATAGCGGCATACCTTTGACTATT GGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
001	p118w178		<i>IGHV</i>	TTCAATAACTATGGCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTCATATATTAGTAGAGGTAGTGATATGATCACCT ACGTAGACTCTGTGAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACTCACTGTATCTACAAATGAACAGCCTGAGAGACGAGGACAC GGCTGTGTATTACTGTGCGCAGTAAATCCCAACTGGTGGGAGGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
001	p118w184		<i>IGHV</i>	GAGGTCCAGCTGGTACAGTCTGGGGCTGAGGTGAAGAAGCCTGGGACTACAGTGAAAATCTCTTGTAAAGTTTCTGGAACAGCTTACCAGACT ACGACATGCACTGGGTGCAGCAGGCCCTGGAAAAGGCCTTGAGTGGATGGGGCTTGTGATCCTGAATATGGTCAAACGGTCTATGCAGAGA GATTCAGGGCAGAGTCTTCATAACCGCGGACACGTCTACACACACAGCCTACATGGACCTGAGCAGCCTGAGCTCTGAAGACACGGCCCTATA TTACTGTGCAGCCGTAGCAAGCATTGACTACTTCCACCTGCCCTCCCAACTACTTTGACTACTGGGGCCAGGGAACGCTGGTCACCGTCTCC TCAG
001	p118w185		<i>IGHV</i>	AAAGCCTCCGGACTCATTGTGAGTGCAGCCTGGATGAGCTGGGTCCGCCAGTCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGTATTAAGC GAAATTAATGGTGGGACAATAGACTACGCTGCACCCGTGAAAGGCAGATTACCATCTTAAGAGATGATTCAAAGAACACTCTGTATCTGCAAAT CAACAGCCTGAAAACCGAGGACACAGCCGTATATTACTGTACCACGCGACTGCTGTTCTCTCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCC TCAG
001	p118w187		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGTACTCTCTCTGGTGGCTCCATCATTGAC TATTATTGGAGTTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGCTATATCCATGACAGTGGGATCACCACCTACAGCCCTCCCT CAAGAGTCGAGTCACCATGTGAGTGGACACGTCCAAGAACCAGTTCTCCCTGAAGTTGAACTCTGTGACCGCCGAGACACGGCCGTGATTAT TGTGCGAGA
001	p118w191		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAAACCCTGTCCCTCACTTGCAGTGTCTCTGGTACTCCATCAGTAGTT ACTACTGGGGCTGGATCCGGCAGCCCCAGGACGGGAGCTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACCTACAACCCTCCCT CAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTTCTGAAGTTGAGTTCTGTGACCGCTGCGGACACGGCCGTTTATTACT GTGCGAGAGATTGCGGATTCCGTGGATACAAATATACCCTTGACTCCTGGGGCCAGGGCATGCTGGTCACCGTCTCCTCAG
001	p118w20		<i>IGHV</i>	GAGACTCTCTGTGACGCTCTGGATTTATATTCAGTAACTACGACATGCACTGGGTCCGCCAAAGTACAGGAAAAGGTCTGGAGTGGGTCTCA GCCATTGGTACTGCTGGTGACACATTCTATTTCAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGAAAATGCCAAGAACCCTCCCTGGATCTTCA AATAGACAGCCTGGGAGCCGGGACACGGCTGTGATTATTGTGCAAGAGGGCGGGGAGTTAATCTGTCTGGGGGTGTTATTGCGAGTTTTGA CTATTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
001	p118w21		<i>IGHV</i>	GAGGTGCAACTGGTGCAGTCTGGAGCAGAAGTGA AAAAGCCCGGGGAGTCTCTGACGATCTCCTGTAAGGACACGGGATACAACCTTTGGCAGC GGTTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAGGCCTCGAGTGGATGGGACTCATCTATCTTGGAGACTCTGCGACGAGATATAGTCCG TCGTTCCAAGGCCAGGTCACCATCTCAGCCGACAGGTCCATCACTACCGCCTATCTGCAGTGGAAAGTCTGAAGTCCCTCGACAGCGCCATGT ATTACTGTGCAAGACCCTTAGGGGATTACTACGGTGTGGACGCTCTGGGGCCAAGGGACGACGGTCACCGTCTCCTCA
001	p118w25	53	<i>IGHV</i>	GAGGTGCAACTGGTGCAGTCTGGAGCAGAAGTGA AAAAGCCCGGGGAGTCTCTGACGATCTCCTGTAAGGACACGGGATACAACCTTTGGCAGC GGTTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAGGCCTCGAGTGGATGGGACTCATCTATCTTGGAGACTCTGCGACGAGATATAGTCCG TCGTTCCAAGGCCAGGTCACCATCTCAGCCGACAGGTCCATCACTACCGCCTATCTGCAGTGGAAAGTCTGAAGTCCCTCGACAGCGCCATGT ATTACTGTGCAAGACCCTTAGGGGATTACTACGGTGTGGACGCTCTGGGGCCAAGGGACGACGGTCACCGTCTCCTCA

001	p118w26		<i>IGHV</i>	CGTCTGGATTTCGATTTCAAATTCGCCTGGATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAAGCAGAA CTAGTGGTGGGACAACAGACTACGCTGCACCCGTCAAAGGCAGATTACCATCTCAAGAGATGATTCAACAAACACTATATCTGCAAATGAAC AGCCTGAGAACCAGGACACAGCCGTTTATTACTGTGCCCGCTCAGGGATCCTCTATCGTATTCTCTGCACTACTGGGGCCAGGGAACGCTGG CCACCGTCTCCTCAG
001	p118w30		<i>IGHV</i>	GGATATATCTATTACAGTGGGGGCGCCAAGTACAACCCCTCCCTCGAGAGTCGAGTCACCATATCACTAGACACGTCCAAGAACCAAGTCTCCC TGAAGCTGAGTTCTGTGACCCTGCGGACACGGCCATATATTACTGTGCGATGGATACCCATACCAGCTCGAGGTTTGACCACTGGGGCCAGG GAACGCTGGTACCGTCTCCTCAG
001	p118w35		<i>IGHV</i>	GTGATTATGCTATGAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAAGGATCAACACCAACACTAGGAGTCCAACATATGC CCCCGACTTCACAGGACGCTTTGTCTTCTCCTTGACGCCTCTGTGACGACGGCATATCTGCAGATCAGCGACCTAAAGGCTGACGACACTGCC GTTTATTATTGTGCGAGAGATAGGGAACACCTATGGTCCCCGCCTGACTACTGGGGCCAGGGAACCCCTGGTACCGTCTCTTCAG
001	p118w47		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGCTGAAGCCTTACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGTCCATCAGCAGT GGTACTTACTTCTGGAGCTGGATCCGGCAGCCCGCCGGAAGGCACTGGAGTGGATTGGGCGTATCTATTCCAGTGGGAGCACCAGTTATAAC CCCTCCCTCAAGAGTCGAGTCACCATATCAGTTGACACGTCCAACAACCAACTCTCCCTGAAGCTGACCTCTGTGACCGCCGACACACGGCCG TCTATTACTGTGCGAGAGGGGGACTTTGTTCTGGTGGTAGCTGCTACTCTGATGCTTTTGATATCTGGGGCCAAGGGACAATGGTACCGTCTCT TCAG
001	p118w48		<i>IGHV</i>	CCTCTGGTTACAGCTTTGTTAGTTATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCCTGAGTGGATGGGATGGATCAGCGTTTACAA TGGTAACACAAACTATGCACAGACCTTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTA AAATATGACGACACGGCCGTCTATTACTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTCGACCCCTGGGGCCAGGGAACC GTGGTACCGTCTCCTCAG
001	p118w5		<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAAGTGAAGTGAAGAAGCCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAAACTATGCACAGA CCTTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TACTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTCGACCCCTGGGGCCAGGGAACCCGTGGTACCGTCTCCTCAG
001	p118w59		<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCTCCTTCTCTGGGTTCTCACTCAGCACTA CTGCAGTGGGTGTGGGCTGGATCCGTCAGCCCCAGGAAAGGCCCTGGAGTGGCTTGCTCTCATTGTTACGATAATGATAAACGCTACAGTCC ATCTCTGAGGAGCAGGCTCACCATCACCAGGACACCTCCAAAAACCAGGTGGTCTTACAATGACCAACATGGACCCTGTGGACACAGGCACA TATTACTGCGCACACAGTTTAGGTTACGATTATTGGAGTGGTTCTAATAAGATGAATTACTTTGATTACTGGGGCCAGGGAACGCTGGTACCGT CTCCTCAG
001	p118w8		<i>IGHV</i>	TGAGACTCTCCTGTGCAGCCTCTGGATTCCCCTTTAGTAGCTATGCCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGTCTGGAGTGGGTCT CAACTCTGAGTAATAGTGGTGAATACACATTCTACGCAGACTCCGTGAAGGGCCGTTCCACATCTCCAGAGACAATTCCAAGAACACGCTGTAT GTGCAAATGGACAGCCTGAGAGCCGAGGACACGGCCATATATTACTGTGCGAAAAATAGTCGGGCTAGTAGTGGCTGGCTCGTTTCGTACAAC TCGGTATGGACGTCTGGGGCCAAGGGACCACGGTACCGTCTCCTCA
001	p118w81		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAACCCCTGTCCCTCACCTGCACTGTCTCTGGTACTCCATCACTAGT TACTACTGGGGCTGGATCCGGCAGCCCCAGGAAGGGAGCTGGAGTGGCTTGGGTCTTTCTATTACGTTGGGAGCACCACCTACAACCCCTCCC TCAAGAGTCGAGTCACCATA
001	p118w82		<i>IGHV</i>	CAGGTCCAGCTTGTGCAGTCTGGGTCTGAGGTGAAGAAGCCTGCGGCCTCAGTGAAGGTTTCTGCAAGGCATCTGGATACACCTTCACTAACT ATGCTATACATTGGGTGCGCCAGGCCCCGGACAAGTCTTGAGTGGCTGGGATGGATCAACGCTGGCAATGGTGCACAAGATTTAGAGAAAG TTCCAGGACAGAGTCACCATTACCAGGGACACATCCGCGAGCACTGCCTACATGGACCTGAGCAGCCTAAGATCTGAAGACACGGCTGTCTATT ACTGTGCGAGAGATTGCAATTAATGTCAACTGCCACATGTCTATCCCCAATTATGACTACTGGGGCCAGGGAACCCCTGGTACCCGCTCCTCAG
001	p118w83		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGAGGCTTGGTGAAGACCTGGGGGGTCCCTTAGACTCTCCTGTAAAGCCTCCGGACTCATTGTCAGTGAC GCCTGGATGAGCTGGGTCCGCCAGTCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAAGCAGAAATTAATGGTGGGACAATAGACTAC GCTGCACCCGTGAAAGGCAGATTACCATCTTAAGAGATGATTCAAAGAACAACCTCTGTATCTGCAAATCAACAGCCCTGAAAACCGAGGACACAGC CGTATATTACTGTACCACGCGACTGCTGTTCTCCTGGGGCCAGGGAACCCCTGGTACCGTCTCCTCAG
001	p118w93	63	<i>IGHV</i>	CAGGTTCAACTAGTGCAGTCTGGAGCTGAGGTGCAGAGGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTATACCTTGACCAACT ATGGTGTCACTTGGGTGCGACAGGCCCTGGACAAGGCCTTGAAGTGGCTGGGATGGATCAGCACTTATGAT
001	p120w100		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTAAAGCCTCCGGACTCATTGTCAGTGAC GCCTGGATGAGCTGGGTCCGCCAGTCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAAGCAGAAATTAATGGTGGGACAATAGACTAC GCTGCACCCGTGAAAGGCAGATTACCATCTTAAGAGATGATTCAAAGAACAACCTCTGTATCTGCAAATCAACAGCCCTGAAAACCGAGGACACAGC CGTATATTACTGTACCACGCGACTGCTGTTCTCCTGGGGCCAGGGAACCCCTGGTACCGTCTCCTCAG

001	p120w104		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGAAACCCTGTCCCTCACCTGCACTGTCTCTGGTGACTCCATCAGTAGT TACTACTGGGGCTGGATCCGGCAGTCCCCAGGGAAGGGACTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACTACAACCCCTCC CTCAAGAGTCGAGTCACCATATCAGTAGATACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTA CTGTGCGAAAGATTCCGGATTTCTGTGATACAAATATACCCTTGACTCCTGGGGCCAGGGCATGCTGGTCACCGTCTCCTCAG
001	p120w109		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCATGGTCCAGCCTGGGAGGTCCCTGAGACTCTCATGTGCAACGCTCTGGATTGTTCAATAAT CATGGCATGCACTGGTCCGCCAGGCTCCAGGCAAGGGACCGGAGTCGGTGGCATTTCATATGGTATGATGGAAGTATTAATATTATGGAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAACCTCGAGAACACGCTGTACCTGCAAATGACCAACCTGAGAGCCGAGGACACGGCTGTCT ATTATTGTACGAAAGTTCCCAAGGGATATGGTTCGGGCAGTTATAATATGCATGATGCTTTTAATGTCTGGGGCCAGGGACCATTGGTCACCGTC TCTTCAG
001	p120w111		<i>IGHV</i>	GAGGTGCAGTGTGGTGCAGTCGGGGGGAGGCTTGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCCGCCTCTGGATTACCTTCAGTAAC TATGCCATGGGCTGGGTCCGCCAGGCTCCAGGGGAGGGGCTGGCGTGGGTCTCATCTCTTAGTGGTAGTGGTTCTACCACATACTACGCAGAC TCCGTGAGGGGCCGTTTACCATCTCCAGAGACAATTCCAAGGACACACTATATTTGCAAATAAACACCCTGAGAGCCGAAGACACGGCGTTAT ATTACTGTGCAAGGGGGCGATCTTTGACTACTTCTCATACGGGACTCCTGGGGCCTGGGAACCCTGGTCACCGTCTCCTCAG
001	p120w112		<i>IGHV</i>	GCAGCGTCTGGAATCACCGTCAGTGGCACCTACATGAGCTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGTTATTTATAGT GCTGATAACACATACTACGCAGACTCCGTGAAGGGCAGATTACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTTCAAATGAACAGCCT GAGAGCCGAGGACACGGCTCTGTATCACTGTGCGCAAAGTAGTGGTTATAAAGTTCCGCTTTTGATATCTGGGGCCAAGGGACAATGGTCACC GTCTCTTCAG
001	p120w114	4	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGACTCCATCAGCAGT GGTACTTACTACTGGATCTGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGTATCTATACCAGTGGGAGCACCACTATAAC CCCTCCCTCGAGAGTCGAGTCACCATATCAGTAGACAGTCCAACAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGAGACACGGGC GTATATTACTGTGCGAGAGCGGGCCAATGCAGTGATGGTAGTTGCTACTCCGATGCTTTTGACATCTGGGGCCAAGGGACAATGGTCACCGTCT CTTTAG
001	p120w122		<i>IGHV</i>	CAGGTGCAGCTGGTGCATCTGGGTCTGAGTTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTTCTGCAAGGCTTCTGGATACATCTTCAGTGACT ATGCTATGAATTGGGTGCGACAGGCCCTTGACAAGGGCTTGAAGTGGATGGGAAGGATCAACACCAACACTAGGAATCCAACATATGCCCAGG GCTTCACAGGACGGTTTTGTCTTCTCCTTGGACACCTCTGTGACGACGGCATATCTGCAGATCACCAGCCTAAAGGCTGACGACACTGCCGTTTAT TACTGTGCGAGAGATAGGGAACGCCTGTGGTCCCCGGCTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCTTCAG
001	p120w123		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGGCTTCGGACACCCTGTCCCTCACCTGCGCTGTCTCTGGTTCCTCCATCAGCACT ACTAACTGGTGGGGCTGGGTCCGGCAGCCCCAGGGAAGGACTGGAGTGGATTGGATACATCTCTTATAGTGGGAACATCTACTTCAACCCG TCCCTCAAGAGTCGAGTCACCATGTCAGTACAGCAGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGTCGCGCCGTGGACACGGCCGTG ATTACTGTGCGAGAAGCATGACCCTACTTTGTGGTTCTGATAGGTGCTACCCTCCGTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTCA CGTCTCCTCA
001	p120w126		<i>IGHV</i>	CAGGTCCAACCTTGTGCAGTCTGGGGCTGAGGTGAAGAGCCCTGGGGCCTCTGTGAGAGTCTCCTGCGAGGCTTCTGGATTCCCGTTCACGACC TATGTTATACACTGGCTGCGCCTGGCCCCGACAAGGCTTGAAGTGGATGGGATGGATCAACCCTGCCAATCGAAACACAAAATATTCACAGAA GTTCCAGGGCAGAGTCGCTTTACCAGCGACACATTTGCGCGCACAGTCTACATGGAACCTCAATATCCTGACACCGGAAGATACGGCCATTTAC TACTGTGCGAAAGATGCGAATCCAATGACTCTGATAGTTTTGGTTAATCCCCGGCTACTGGAGCCAGGGACCCTGGTCACCGTCTCCTCAG
001	p120w136		<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCAGCTGACCTGCACCTTCTCTGGGTTCTCACTCAGCACTG ATGGAGTGGGTGTCCGGCTGGATCCGTACGCCCCAGAACGGCCCTGGAATGGCTTGCAGTCAATTTACTGGGATGATGATAAGCGCTACAGCCCA TCTCTGGAGAGCAGGCTCACCATACCAAGGACACCTCCAAAACCAGGTGGTCTTAGAATGACCAACATGGACCCTGTGGACACAGCCACAT ATTTTTGTGCACAGAGTCCCCCCC
001	p120w143		<i>IGHV</i>	GAGTTGCGGCTGGTGCAGTCTGGGACAGAGGTGAAAGAGCCCGGGGAGGCTCTGAAGATCTCTTGTGACGGCTTCTGGATACAGTTTTTCCACCT ACTGGATCGGCTGGGTGCGCCAGAGGCCCGATAAAGGCTGGAGTGGGTGGGGATCATCTATCCCGGTGACTCGGATACTAGGTACGACCCG GCCTTCCAAGGCCAGGTACCATCTCAGTCGACACATCCATCAACACCGCCTACCTTCAATGGAGCAGTCTGAAGTCTCTGGACACTGGCATAT ATTTCTGTGCGGATCCATGATGAATATGTTTGGGGGACTGATCGTTATTTGACTACTGGGGCAACGGAACCTCCGGTACCGTCTCCTCAG
001	p120w144		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGAGGGGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCATCACTACCT ATGCAATGCACTGGGTCCGCCAGGCCCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGATGGAGACGACAAATTCTACGCAGACT CCGTGACGGGCCGAATCACCATCTCCAGAGACGATTCCAAGAACACGCTGTATTTACAAATGAACAGCCTGAGACCTGAAGACACGGCTGTGTA TTACTGTCTGAGAGGGGGTCTTTGGAGTGCTTATCCTCCAGGATTCGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTGCA

001	p120w145	5	<i>IGHV</i>	CAGGTCCAACCTTGTGCAGTCTGGGGCTGAGGTGAAGAGCCCTGGGGCCTCTGTGAGAGTCTCCTGCGAGGCTTCTGGATTCCCCTTCACGACC TATGTTATACACTGGCTGCGCCTGGCCCCGGACAAGGCTTGAGTGGATGGGATGGATCAACCCTGCCAATCGAAACACAAAATATTCACAGAA GTTCCAGGGCAGAGTGCCTTTACCAGCGACACATTTGCGCGCACAGTCTACATGGAACCTCAATATCCTGACACCGGAAGATACGGCCATTTAC TACTGTGCGAAAGATGCGAATCCAAATGACTCTGATAGTTTTGGTTAATCCCCGGCTACTGGAGCCAGGGGACCCCTGGTCACCGTCTCCTCAG
001	p120w146	52	<i>IGHV</i>	CAGGTCCAGCTTGTGCAGTCTGGGTCTGAGGTGAAGAAGCCTGCGGCCTCAGTGAGGGTTTTCTGCAAGGCATCTGGATACACCTTCACTA ATGCTATACATTGGGTGCGCCAGGCCCGGACAAGTCTTGAGTGGCTGGGATGGATCAACGCTGGCAATGGTGACACAAGATATTCAGAGAA GTTCCAGGACAGAGTCAACATTACCAGGGACACATCCGCGAGCACTGCCTACATGGACCTGAGCAGCCTAAGATCTGAAGACACGGCTGTCTAT TACTGTGCGAGAGATTGCAATTATGTCAACTGCCACATGTCATCCCCAATTCATGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
001	p120w15		<i>IGHV</i>	CAGATCTCCTTGAAGGAGTCTGGTCCAACGCTGCTTAAACCCACAGAGACCCCTCTCTGACCTGCACGTTCTCTGGCTTCTCACTCAGTACACC TGGGGAGGGTGTGGCCTGGATCCGTGACCCCGACCGGCAAGCCTGGAGTGGGTTGCACTCATTTATTGGAATGGTAGGAAGGACTTCAGACA ATCTCTGGAAGACACTTAATATTGTCCAGGACGCGTCCAAGAATGAGGTGGTCTTACAGTGAGCAACATGGACCCCTGTGGACACGGCCACA TATTACTGTGTACACAGACGTCCCTATCAGCGCGCTGGTCTTTATGGCCCCGATGTTTTGATATCTGGGGCCAAGGGGCAAAGGTCACCGTCT CTTCAG
001	p120w164		<i>IGHV</i>	CAGGTGCAACTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTAGT TACTACTGGAGCTGGATCCGGCAGCCCGCGGAAGGGACTGGAGTGGGTTGGGCGTATCTATACCAGTGGGAGCACCAACTACAACCCCTCC CTCAAGAGTCGAGTCACCATGTCAGTAGACACGTCCAAGAGCCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGCGGACACGGCCGTGTATT ACTGTGCGAGCCTGGAATATTGATGGTGGTAGGTGCTACACTCCGTGGACGCTGCGGGCCAAGGGATCACGGTCACCGTCTCCTCA
001	p120w167		<i>IGHV</i>	CAGATTCAGCTGCTGCAGTCTGGAGCTCAGGTGCAGAGGCCTGGGGCCTCCGTGAAGGTCTCCTGCACGGCCTCTGGTTATACCTTGACCAAA TTTTGGTATCTCTTGGGTGCGACAGGCCCTGGACAAGGCCTTGAGTGGCTGGGATGGATCAGCGCTTACACTTCTTACACAAATTATGCACAGA AATTCAGGGCAGACTCACCGTGACCACAGACACATCCACGAGCACAGCCTACATGGAGCTGAGGAGCCTAACCTCTGACGACACGGCCGTCT ATTACTGTGCGAGAGTGGTCATATCAAGTCGTTCTTCGACTACTGGGGCCAGGGAACGCTGGTCACCGTCTCCTCCG
001	p120w168		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGACACCCTGTCCCTCACCTGCGTGTCTCTGGTTACTCCATCAGCAAT AATAACTGGTGGGGCTGGGTCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGTACATTTCTTACTGGGACCATCTACTACAACCCG TCCCTCAACAGTCGAGTCACCCGTGCAATAGACACGTCCGAGAACCAGTTCTCCCTGATGCTGAGCTCTGTGACCGCCGTGGACACGGCCGTGT ATTACTGTGCGAGAAGTATGACCCTACTTTGTGGTTTTGATAAGTGTTCACCCCTACGGTATGGACGCTCTGGGGCCAAGGGACCACGGTAC CGTCTCCTCA
001	p120w172		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTACTCCATCAGCAGT GGTACTTACTACTGGATCTGGATCCGGCAGCCCGCGGAAGGGACTGGAGTGGATTGGGCGTATCTATACCAGTGGGAGCACCAAGCTATAAC CCCTCCCTCGAGAGTCGAGTCACCATATCAGTAGACACGTCCAACAACCACTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACACAGGGC GTATATTACTGTGCGAGAGCGGGCCAATGCAGTGATGGTAGTTGCTACTCCGATGCTTTTGACATCTGGGGCCAAGGGACAATGGTCACCGTCT CTTTAG
001	p120w174		<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAACCTGAGGTGAAGAAGCCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAAAATATGCACAGA CCTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TACTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTGACCCCTGGGGCCAGGGAACCGTGGTCACCGTCTCCTCAG
001	p120w176		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAACCCCTGTCCCTCACCTGCACTGTCTCTGGTACTCCATCAGTAGT TACTACTGGGGCTGGATCCGGCAGTCCCAAGGGAAGGGACTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACTACAACCCCTCCC TCAAGAGTCGAGTCACCATATCAGTAGATACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTAC TGTGCGAAAAGATTGCGGATTTCTGGATACAAAATATACCCCTGACTCCTGGGGCCAGGGCATGCTGGTCACCGTCTCCTCAG
001	p120w178		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAACCCCTGTCCCTCACCTGCACTGTCTCTGGTACTCCATCAGTAGT TACTACTGGGGCTGGATCCGGCAGTCCCAAGGGAAGGGACTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACTACAACCCCTCCC TCAAGAGTCGAGTCACCATATCAGTAGATACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTAC TGTGCGAAAAGATTGCGGATTTCTGGATACAAAATATACACTTGACTCCTGGGGCCAGGGCATGCTGGTCACCGTCTCCTCAG

001	p120w185		<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAAGTGAAGGAGCCTGGGGACTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACAGCTTTGTTAGTT ATGGCATCACCTGGGTGCGACAGGCCCTGGACAAGGGCCTGAGTGGATGGGATGGATCAGCGTTTACAATGGTAACACAAACTATGCACAGA CCTTCCAGGACAGAATCACCTTGACCGCAGACACATCCACGGGCACAGCCTACATGGAGCTGAAAAGCCTAAAATATGACGACACGGCCGTCTA TACTGTGCCAGAACACAGATTACTACGGTGACTACTGGGCCCTGGTTGACCCCTGGGGCCAGGGAACCGTGGTACCCTCTCCTCAG
001	p120w187		<i>IGHV</i>	CAGGTTACAGCTGGTGCAGTCTGGGGCTGAGGTGAAGGAGCCCGGGCCCTCAGTGAAGGTCTCCTGCACGGCTCCTGGTCAAACCTTTTGTGAGT CATGGTGTACAGCTGGGTGCGGACAGGCCCTGGACAAGGCCTTGAAGTGGATGGGATGGATCAGCGCTTACAACCGTGACACAGTTTACGCACAG AAGTTCCAGGACAGAGTCACTCTGACCACGGACACATCCACGACTACTGTCTACATGGAAGTGAAGGAGCCTGACATCTGACGACACGGCCGTTT ATTACTGTGCCAGAACGAAAATAACCACAGTACGACGGGGCCCGGGTTCGACCCCTGGGGCCAGGGAACCGTGGTACCCTCTCGTCAG
001	p120w191		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTACC TATGCCATGCATTGGGTCCGCCAGGCAGGCAAGGGGCTGGAGTGGGTGGCAATTATAGCATATGATGGAAGTGGTATTTACTACGCAGCC TCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAGGAACACGCTGTATCTGCAAATGGACAGCCTGAGAATTGAGGACACGGCTGTAT ATTACTGTGCGAGAGAGTGGGGTATTGAAGCAGTACCAGTCTAGGGCTGCTGCTTATGATTTCTGGGGCCAAGGGACAATGGTACCCTCTC CTCAG
001	p120w193		<i>IGHV</i>	CAGGTGCACCTGGTGCAGTCTGGGACTGAGGTGAAGCAGCCTGGGGCCTCAGTGAAGGTCTCCTGTAAGGCCTCTGGATACTCCTTACCAGC TACTATATACTGGGTGCGACAGGCCCTGGACAAGGGTTTGAAGTGGATAGGATACATCAATCCTAACCGCTGGTGGCACAGAGTTTGGACAAA AGTTCCGGGACAGGGTACCCTGACCACGGACAGTCCATCAACACAGCCTACATGGAAGTGTGACGGCTGAGATCTGACGACGGGGCCCTTT ATTACTGTGCGAGAG
001	p120w20	54	<i>IGHV</i>	CAAGTACAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTAGT GGTGGTTCTTATTGGAGTTGGATCCGCCAGCACCCAGGGAAGGGCCTGGAGTGGATGGGCTACATCTATTTGGTGGGAGCACCGACTACAAC CCGTCCCTCAAGAGTCGACTTACCTTATCACTAGACACGTCTAATAACCAATTCTCCCTGAAGCTGAGGTCTGTGACGGCCGCGGACACGGCCG TGTATTATTGTGCGAAGGGATTTCCCTGTACGGTATGGACGCTCTGGGGCCAAGGGACCACGGTACCCTCTCCCCA
001	p120w203		<i>IGHV</i>	CAGCTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCGCTGGATTGAGCTTCAATAAT GATGGCATGCACTGGTCCGCCAGGCTCCAGGCAAGGGACCGGAGTCCGTGGCATTCAATGGTATGATGGAAGTAAATATTATGGAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAACCTCCGAGAACACACTCTACCTGCAAATGAACAACCTGAGAGCCGAGGACACGGCTGTCTA TTATTGTACGAAAGTTCCAAGGGATACAGTTCCGGCAGTTAATATGCATGACGCTTTTGATATCTGGGGCCAGGGACAATGGTACCCTCT CTTACG
001	p120w21		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAACACT GATAGTTACTACTGGAGCTGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGCATCTACACCAGTGGGAGCGCCAACACTACA CCCCCTCCCTCGAGAGTCGAGTACCATGTCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTAC CGTGTATTATTGTGCGAGTGGGGCCGTGACTACAAGTCACTATTGGGGCCAGGGAACGCTGGTACCCTCTCCTCAG
001	p120w3		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCCGAAACCCTGTCCCTCACCTGCACTGTTTCTGGTACTCCATCAGTAGTT ACTACTGGGGCTGGATCCGGCAGCCCCAGGACGGGAGCTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCACTACAACCCCTCCCT CAGGAGTCCAGTACCATATCAATAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTAC TGTGCGAGAGATTCCGATTCCGTGGGTACAGCTATACCCTTACTCCTGGGGCCAGGGAATGCTGGTACCCTCTCCTCAG
001	p120w30		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTGGTAAAGCCTGGGGGTCCTTGAAGCTCTCCTGTAAGGCCTCCGGACTCATTGTGAGTAC GCCTGGATGAGCTGGGTCCGCCAGTCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGATTAAGGCGAAATTAATGGTGGGACAATAGACTAC GCTGCACCCGTGAAAGGCAGATTACCATCTTAAGAGATGATCAAGAACAACACTCTGTATCTGCAAATCAACAGCCTGAAAACCGAGGACACAGC CGTATATTACTGTACCACGGACTGCTGTTCTCCTGGGGCCAGGGAACCGTGGTACCCTCTCCTCAG
001	p120w35		<i>IGHV</i>	CCTCTGGATTACATTTAATAGGCATTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGACATAAAACAAGATG GAAGCGTCAGATACTATGTGACTCTGTGAAGGGCCGATTACCATTTCCAGAGACGACGTCAAGAACTCCGTGTATCTGCAGATGAACAGCCT GGGAGCCGAGGACACGGCTGTCTATTACTGTGCGAGAGGCCCTCAGTACGGTACAGGGTGCAGTACTTAGACCGCTGGGGCCAGGGATCCC TGGTACCCTCTCCTCAG
001	p120w37		<i>IGHV</i>	CAGGTGCAGTTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTATCCTGTGCAGCCTCTGGATTACCTTCCGTAAC TATGCTCTACACTGGGTCCGCCAGGCTCCAGGCAGGGGGCTGGAGTGGGTGGCCTTTATATCATATGATGGAACCAATAAATACTACGCAGACT CCGTGAGGGCCAATTCACCATCTCCAGAGCAATCAAGAACAACACTCTGTATCTGCAAATCAACAGCCTGAAAACCGAGGACACAGC TACTGTGCGAGAGGAGGACTATGGTTCGGGAGTCTTGAACCTTTGATTTCTGGGGCCAAGGGCAATTGGTACCCTCTCCTCAG

001	p120w46	64	<i>IGHV</i>	<p>CAGGTTCAACTAATGCAGTCTGGAGCTGAGGTGCAGAGGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTATACCTTGACCAACT  ATGGTATCACTTGGGTGCGACAGGCCCTGGACAAGGCCTTGAGTGGCTGGGATGGATCAGCACTTACACTTCTTACACAAATTATGCACAGAA  ATTCCAGGGCAGAGTCCACCGTGACCACAGACACTTCCACGACTCCGGCTACATGGAGCTGAGGAGCCTAAGATCTGACGACACGGCCGTCTA  TTACTGTGCGAGAGTGGTCATAGCAAGTCGTTCCCTTCGACTACTGGGGCCAGGGAACGCTGGTCACCGTCTCCTCCG</p> <p>AAAGCCTCCGACTCATTGTGAGTACGCGCTGGATGAGCTGGTCCGCCAGTCCACGGGAAGGGCTGGAGTGGGTTGGCCGTATTAAGGC  GAAATTAATGGTGGGACAATAGACTACGCTGCACCCGTGAAAGGCAGATTACCATCTTAAGAGATGATTCAAAGAACACTCTGTATCTGCAAA  CAACAGCCTGAAAACCGAGGACACAGCCGTATATTACTGTACCACGCGACTGCTGTTCTCTCCCTGGGGCCAGGGAACCCCTGGTCACCGTCTCC  TCAG</p>
001	p120w48		<i>IGHV</i>	
001	p120w51		<i>IGHV</i>	<p>GATGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTCCACCCTGGAGGGTCCCTGAGACTCTCCTGTGCAACCTCTGGATTACCTTCAGTGAC  CACTTTATGGACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATTGGCCACATTAGAATGAGAAGCTACAGTTACTCCACAGAAATCG  CCGCGTCTGTGAAAGGCAGGTTTACCATTTCGAGAGATGATTACACAGAATTTACTTTATCTGCAAAATGAACAGCCTGAAAACCGAGGACACGGCC  ATTTATTATTGTAGTACATTGTTCATATGGAAGTAATGGCTGGTCCACTTTGACTACTGGGGCCAGGGAACGCTGGTCACTGTCTCCTCAG</p>
001	p120w55		<i>IGHV</i>	<p>CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCGTCTGGATTGAGTTTCAGTAGT  CATGGCATGCACTGGTCCGCCAGGCTCCAGGCAAGGGACCGGAGTCCGGTGGCATTTCATATGGTATGATGGAAGCACTAAATATTATGGAGACT  CCGTGAAAGGGCCGATTACCATCTCCAGAGACAACCTCCGAGAATACTTTATACCTGCAAAATGAACAACCTGAGAGCCGAGGACACGGCTGTCTA  TTATTGTACGAAAGTCCCAAAGGATATGGTTCGGACGGTTAATAATGCGTGATGCTTTCGATGTCTGGGGCCAGGGAACAAATGGTCACCGTCT  CCTCAG</p>
001	p120w62		<i>IGHV</i>	<p>GAGGTGCTGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGGTTCTAAAAGCAGCTTTAGTAAGT  CTTGGATCGGCTGGGTCCGCCAGATGCCCGGGAAGGCCTGGAGTGGATGGGTGTCATCTATCCTGATGACTCTAATACCAGATATAGCCCGTC  GTTCCAAGGCCAGGTCACCATCTCAGCCGACAAGTCCATCACCACCGCCTACCTACAGTGGGACAGTCTGAAGGCCTCAGACACCGCCATATAT  TACTGTGCGAGACCGATGTATGAGAGCTCGTCCGTCCTTTTCAATACTGGGGCCAGGGAACGCTGGTCACCGTCTCCTCAG</p>
001	p120w7		<i>IGHV</i>	<p>CAGGTGCAACTACAACAGTGGGGCGCAGGACTGTTGAAGCCTTCGGACACCCTGTCCCTCACCTGCGCTGTCTATGGTGGTCCCTCAGTGGTT  GCGACTGGAGTGGTCCGCCAGTCCCGGGGAAGGGGTTGGAGTGGATTGGGGGAATCAATCATCGGGGAACCACCACCTACAATCCGTCG  CTCGAGAGTCTGTGACCATGTCCGGTTCGACACGTCCAAGAATCAATTCCTCCTGAATCTGACCTCAGTGTCCGCCGCGGACACGGCTCTTTATT  ACTGTGCGAGAGCCCCCTATTACTATGACAGGGCGACCTTCCCATGTTCTACTACGGCCTGGAGCCCTGGGGGCAGGGGACTACGGTAC  CGTCTCCTCTT</p>
001	p120w82		<i>IGHV</i>	<p>CAGGTTCAACTAGTGCAGTCTGGAGCTGAGGTGCAGAGGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTATACCTTGACCAAGT  ATGGTATTTCTTGGGTGCGACAGGCCCTGGACAAGGCCTTGAGTGGCTGGGATGGATCAGCACTTATACTTCTTACACAAATTATGCACAGAAA  TTCCAGGGCAGAGTCCACCGTGACCACAGACACTCCACAGCAGCCTACATGGAAGTGGAGCCTAAGATCTGACGACACGGCCGTCTATT  ATTGTGCCAGAGTGGTCATAGCAAGTCGTTCCCTTCGACTACTGGGGCCAGGGAACGCTGGTCACCGTGTCTCCTCCG</p>
001	p120w83		<i>IGHV</i>	<p>CAGGTGCAACTGGTGCAGTCTGGGTCTGAGTTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGGCTACTGGATACTTTTCAGTAACT  ATGCTATGAATGGGTGCGACAGGCCCTGGGCAGGGCCTTGAGTGGATGGGAAGGATCAACACCAACTGGGACCCCAACGATGCCCAGG  ACTTCACAGGACGGTTTTGTCTTTTCTTGGACTCCTCTGTGAGAACGGCATATCTGCAGATCAGCAGCCTACAGCCTGAGGACACTGCCGTATAT  TACTGTGCGAGAGATAGGGAACACCTATGGTCCCCGCTGACTCCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG</p>
001	p118w203	2	<i>IGHV</i>	<p>GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTACTCTCCTGTAAGCCTCCGGACTCATTGTGAGTAC  GCCTGGATGAGCTGGGTCCGCCAGTCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAAGGCCTGAAATTAATGGTGGGACAATAGACTAC  GCTGCACCCGTGAAAGGCAGATTACCATCTTAAGAGATGATTCAAAGAACACTCTGTATCTGCAAAATCAACAGCCTGAAAACCGAGGACACAGC  CGTATATTACTGTACCACGGACTGCTGTTCTCTCCCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG</p>
001	p118w111	55	<i>IGHV</i>	<p>CAGGTGCAGCTGCAGGAGTCCGGCCAGGACTGGTGAAGCCTTCGAAACCCTGTCCCTCACCTGCACTGTCTCTGGTGAATCCATCAGTAGT  TACTACTGGGGCTGGATCCGGCAGCCCCAGGAACGGGAGCTGGAGTGGATTGGGTCTTTCTATTCCGTTGGGAGCACCCTACAACCCCTCC  CTCAAGAGTTCGAGTACCATATCAGTAGACACGTCCAACAACAGTTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCATTTATTA  CTGTGCGAGAGATTCCGATTCCGTGGATACAAATATACCCTTGACTCCTGGGGCCAGGGCATGCTGGTCACCGTCTCCTCAG</p>
001	p118w100		<i>IGLV</i>	<p>GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGCGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGACCATTAGCCACT  ATTTAAATGGTATCAGCAGAAACCAGGGAAGCCCTAGCCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGT  GGCAGTGGATCTGGGACAGATTTCACTCTACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTACTACTGTCAACAGAGTTACAGTAGTCC  TGGGACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC</p>

001	p118w104		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGTAACTA TTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGTG GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTACTACTGTCAACAGAGTCACAGTAGTCCT GGGACTTTTGGCCAGGGGACCAACCTGGAGATCAAAC
001	p118w108		<i>IGLV</i>	TCCTATGAGCTGACACAGCCACCCTCGATGTGAGTGTCCCCGGGACAGACGGCCAGGCTCACCTGCTCTGGAGATGCCTTGTCAAAAACAATATG CTTATTGGTATCAACAGAAGTCAGGCCAGGCCCTGTGTTGCTGATATATCAAGACACTAAGAGGGCCCTCAGAGATCCCTGAGCGCTTCTCTGG CTCCAGCTCAGGGACAACAGTCACCTTGACCATCACTGGCGTCCAGGCAGAGGACGAGGCTGACTATTACTGCCAATCATCGGACAGCAGTCCT ACTTGGGTGTTCCGGCGCAGGGACTAAGTTGACCGTCCTAA
001	p118w109		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGTAACTA TTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGTG GCCAGACTGTTGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTACTACTGTCAACAGAGTCACAGTAGTCCT GGGACTTTTGGCCAGGGGACCAACCTGGAGATCAAAC
001	p118w112		<i>IGLV</i>	AGCATTAGCAACTATTTGAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAACCTCCTGATCTATACTACATTCAAATTTGGAAAGTGGGGTCCCA TCAAGTTTCAGTGGCAGTAGATCTGGGGCAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTACTACTGTCAACAGAC TTATATTTCCCCGTGGACGTTCCGGCCAAGGGACCAAGGTGGAATCAAAC
001	p118w114		<i>IGLV</i>	GATGTTGTGATGACTCAGTCTCCGCTCTCCCTGCCCGTCACCCTTGGACAGCCGGCCTCCATTTCTGCAGGTCTAGTCAAAGCCCCGTACACA GTGATGGAAACACCTACTTGAGTTGGTTTCATCAGAGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAGGGTTTCTAACCGGGACTCTGGGGT GCCAGACAGATTCAGCAGGCTGGGTCAGGCACTGATTTACACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATG CAAAGTACACACTGGCCGTGGACGTTCCGGCCAAGGGACCAAGGTGGAATCAAAC
001	p118w119		<i>IGLV</i>	GATGTTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTCACCCTTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAACCTCCTGGCTA GTAATGGACACACCTACATGAATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATGTCTTTCTGTTTCTAATCGGCCTCCGGGGT CCCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGCGTTTATTACTGCATG CAGACTCTACAAATTCCTCAAACTTTCCGGCCCTGGGACCAAAAGTGGAAATCAAAC
001	p118w122		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTCTATTGCACA GAGCCAATAATAAAGATTATTTAGCATGGTACCAACAGAAACCAGGACAGCCCTCCTAAGCTCCTCATTACATGGCATCTACCCGGGAATCCGGG GTCCCTGACCGATTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCAGCATCAGCAGGCTGCAGGCTGAAGATGTGGCAGTGTATTACTGTC AGCAATATTATGATATTCTCGGACGTTCCGGCCAAGGGACCAAGGTGGAATCAAAG
001	p118w126		<i>IGLV</i>	CAAATTGTTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTACGTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAACCTGGCCAGGCCCCAGACTCCTCATCTCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACA
001	p118w135		<i>IGLV</i>	GAACCTCCTGGCTAGTAATGGACACACCTACATGAATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATGTCTTTCTGTTTCTAATC GGGCTCCGGGGTCCCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGCG TTTATTACTGCATGCAGACTCTACAAATTCCTCAAACCTTCCGGCCCTGGGACCAAAAGTGGAAATCAAAC
001	p118w136		<i>IGLV</i>	GGACCAGTCAGTACGTTTACAATTACTTAGCCTGGTATCAACAGAAACCTGGCCAGGCCCCAGACTCCTCATCTCTGATGCATCCGACAGGGC CACTGGCATCCCAGCCAGGTTTCAGTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTAT TACTGTCAACAGCGTAGCAACTGGCCTGTACCTTCCGGCCAAGGGACACGACTGGACATTAAC
001	p118w14	1	<i>IGLV</i>	CAAATTGTTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTACGTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAACCTGGCCAGGCCCCAGACTCCTCATCTCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCCGGCCAAGGGACACGACTGGACATTAAC
001	p118w143	51	<i>IGLV</i>	GAGATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTCACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACA AAGATGGAGACACCTACTTGTATTGGTTTCAGCAGAGGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAAGTTTCTAACCAGGACTCTGGGGT CCAGACAGATTCAGCGGCAGTGGGTCCAGGCACTGATTTTCACTGAAAATCAGCAGGGTGGAGGCTGAAGATGTTGCGATTTATTACTGCATGC AAAGTGAAGCTGGCCTCAAACGTTCCGGCCTAGGGACCAAGGTGGAATCAAAC
001	p118w145		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGGGTCCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCACCT ATTTAAATTGGTATCAACACAAAACAGGGAAAGCCCCTAAGCTCCTGATCTATACTACATCCAATTTGCAAAGTGGGGTCCCATCAAGGTTTCAGTG GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCACTCTGCAACCTGAGGATTTGCAACCTACTACTGTCAACAGAGTTACACTACCCCG TGGACGTTCCGGCCAGGGACCAAGGTGGAGACCAAAC
001	p118w146		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCAGTGGAAACCAGCAGTACGTCGGTAATA CTATCTATGTCTCCTGGTACCAACAGTATTCAGGCAAAGCCCCAAAGTCAATATTTATGAGGTCAATAAGCGGTCTCAGGGGTCCCTGATCGC TTCTCTGGCTCAAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTC



001	p118w15	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACTATCACTTGCCGGGCAAGTCAGAGTAGTAGTATTA TTTAAATTGGTATCAGAAAGAAACCAGGGAAAGCCCCTAAACTCCTGATCTATGCTGCATCCAGTGTACAAAGTGGGGTCCCATCAAGGTTTCAGTG GCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATCTTGCAACTTACTTCTGTCAACAGACTTACATCATCCCC TACACTTTGGCCAGGGACCAAGCTGCAGATCAAGC
001	p118w159	<i>IGLV</i>	GACATCCAGATGACGCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACAATCAATTGCCGGGCAAGTCAGAGTATTAGTTCCTA TTTAAATTGGTATCAGCAAAAACCAGGGAAAGCCCCTAAACTCCTGATCTATTCTGCATCCAATTTGCAAAGTGGGGTCCCATCAAGGTTCTCTGG CAGTGGATCTGGGACAGATTTGCCCCCACCATCAGCAGTCTGCAACCTGAAGATTTTGCATCTTACTACTGTCAACAGACTTCCACTTCCCCGT GGACGTTTCGGCAAGGGACCAAGGTGGAATCAAAC
001	p118w162	<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTCTGTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTCTATTGCACA GAGCCAATAATAAAGATTATTTAGCATGGTACCAACAGAAACCAGGACAGCCTCCTAAGCTCCTCATTACATGGCATCTACCCGGGAATCCGGG GTCCCTGACCGATTACAGTGGCAGCGGGTCTGGACAGATTTCACTCTCAGCATCAGCAGGCTGCAGGCTGAAGATGTGGCAGTGTATTACTGT AGCAATATTATGATATTCCTCGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAG
001	p118w163	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGCGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGCCACT ATTTAAATTGGTATCAGCAGAAACCAGGTAAGCCCCCTAGCCTCCTGATCTATGCTGCATCCAGTTTGACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTACTACTGTCAACAGAGTTACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
001	p118w164	<i>IGLV</i>	CAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTCAGAGTGTACAACTTA CTTAGCCTGGTATCAGCAGAAACCTGGCCAGGCTCCAGACTCCTCATCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCGGCCAAGGGACACGACTGGACATTAAC
001	p118w17	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCGAGTCAGGGCATTGCCAATT ATTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCTCCTGATCAATGCTGCATCCACTTTGCAATCAGGGGTCCCATCTCGGTTTCAGT GGCAGTGTATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTTCTGTCAAATGTATTACAGTGCCCC TCCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
001	p118w172	<i>IGLV</i>	CAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTCAGTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAACCTGGCCAGGCCCCAGACTCCTCATCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCGGCCAAGGGACACGACTGGACATTAAC
001	p118w174	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGTATTAGCAGCTA TTTAAATTGGTATCAGCAAAAACCAGGGAAAGCCCCTAAACTCCTGATCTATACTGCATCCAGTTTGAAGTGGGGTCCCATCAAGGTTTCAGTG GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTACTACTGTCAACAGACTTACATTACCCCGT GGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
001	p118w175	<i>IGLV</i>	CCTATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAACTCCTGATCTATTCTGCATCCAGTTTACAAAAGTGGGGTCCCATCAAGGTTCA GTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTACTACTGTCAACAGACTTACATTACCC CGTGGACGTTTCGGCCAAGGGACCCAGGTGGAAGTCAAAC
001	p118w176	<i>IGLV</i>	GCCTCCGTGTCTGGGTCTCCTGGACAGTTCGATCACCATCTCCTGCAGTGGAAACCAGCAGTGCAGTTGGTGGTTATAACTATGTCTCCTGGTACC AACACACCCAGGCAAAGTCCCCAACTCATAATTTATGCTGACAATAATCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGC AACACGGCCTCCCTGACCATCTCTGGGCTCCAGACTGAGGACGAGGCTGATTATTACTGCAGCTCATATAGAAGCAGCAGCCTCTGGGTGTTCCG GCGGAGGGACCAAGCTGACCGTCTAG
001	p118w177	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGCAACT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTACTACTGTCAACAGAGTCACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
001	p118w178	<i>IGLV</i>	GAAACTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTAGCAGCA GCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGCCTCCAGGCTCCTCATCTATGGTGCATCCTGGAGGGCCTCTGGCCTCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGAGCAGTATGGGAG CTCCCCCTCACTTTTCGGCGGAGGGACCAAGGTGAGATCAAAC
001	p118w184	<i>IGLV</i>	GAGACTATTAGCACCTACTTAGGCTGGTACCAACAGAAACCTGGCCAGGTTCCAGGCTCGTCATCTATGATGCATCTAACAGGGCCACTGACAT CCCAGCCAGGTTTCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTGAG CAGCGTCGAGGTGGCTCGGACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC

001	p118w185	<i>IGLV</i>	GTGACGTTGGTAATTATAACTATGTCTCCTGGTACCAACAGCACCCAGGCCAAGCCCCAACTCATAATTGATGAAGTCAGTAAGCGGCCCTCA GGGGTCCCTGATCGTTTTCTCTGGCTCCAAGTCTGGCAACACGGCCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCCGATTATTACT GCAGCTCATATGCAGGCAGCATTTATGTTTTCGGAAGTGGGACCAGGGTCACCGTCCTAG
001	p118w187	<i>IGLV</i>	CAGCCTGTGCTGACTCAGCCACCTTCTTCCCTCCGCATCTCTGGGAAATCCGCCAGACTCACCTGCACCTTGCCAGTGACATCAATGTTGCTTA CTACAACATATACTGGTACCAGCAGAAGCCAGGGAGCCCTCCAGGTATCTCCTCTACTACTACTCAGACTCAGATCAGGGCCAGGGCTCTGGA GTCCCCAGCCGATTCTCTGGATCCAAGGATGCTTCAGCCAATACGGGGATTTTATTCATCTCCGGGCTCCAGTCTGAGGATGAGGCTGACTATTA TTGTATGATTTGGACAAGCAATGCTTCAATGTTCCGGCGGAGGGACCAAGTTGACCGTCCTAG
001	p118w191	<i>IGLV</i>	CCCAGGAACGGCCCCAACTCCTCATCTATATTACTGATCAGCGCCCTCAGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCA GCCTCCCTGGCCATCAGTGGCCTCCAGTCTGAGGATGAGGCTGATTATTACTGTGCAGCATGGGATGACAGCCTGAATGGCGTGGTGTTCGGC GGAGGGACCAAGCTGACCGTCCTAG
001	p118w20	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGACCATTAGCAACT ATTTAAATTGGTATCAGCAGAAAACAGGGAAAGCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGACGATTTTGAACCTTACTACTGTCAACAGAGTCACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
001	p118w21	<i>IGLV</i>	GCCTCGTATACGGTGATGGAAACCTACTTGAATTGGTTTCAGCAGAGGCCAGGCCAATCTCCAAGGGCCTAATTTATGAGGTTTCTAACCGG GAGTCTGGGGTCCAGACAGATTCAGCGCAGTGGGTGAGGCATTGATTTACACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTT TACTTCTGCATGCAGGGTACACACTTTTGCACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
001	p118w25	53 <i>IGLV</i>	GACATCCAGTTGACCCAGTCTCCATCCTTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCCAGTCACTCATTAGCAATTA TTTAGCCTGGTATCAACAAAACAGGGAAAGCCCTAAGCTCCTGATCTATGCTGCCTTCCACTCTGGAAAGTGGAGTCCCATCAAGGTTTCAGCG GCAGTGGATCTGGGACAGAATTCCTCTCACAATCACCAGCCTGCAGCCTGAGGATCTTGAACCTATTACTGTCAACAACCTACTAGTTATTCAT TCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
001	p118w26	<i>IGLV</i>	TTGGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGACCGTTGACACCTATTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCTAACCTC CTGATCTATTCTGTATCAACTTTGGAGAGTGGGGTCCCATCAAGGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTTT TCAACCTGAAGATTTTGAACCTTACTACTGTCTATCAGAGTTTTCAGTACCCCTCAGTCTTTCCGGCGGAGGGACAGGGTGGACATCAAAC
001	p118w30	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGACTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAATCAGCAGTGACGCTGGTGCTT ATAACTCAATCTCCTGGTACCAACAACACCCAGGCAGAGCCCCAACTCATCTTTATGATGTCAATACTCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAGCACGGCCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATCTAA GGAACATTCTGCTGTTCCGGCGGCGGGACCAAGGTGACCGTCTTAC
001	p118w35	<i>IGLV</i>	GAGTCAGGGCATTAGCAATTTAGCCTGGTATCAGCAGAAACAGGGAAAGTTCCTAAGCTCCTGATTTATGATGCATCTAGTTTGAATCAG GGTCCCATCTCGGTTCACTGGCAGTGGATCTGGGACAGATTTCACTCTACCATCAGCGGCCTGCAGCCTGAAGATGTTGCAACTTATTACTG TCAAAGTATATCAGTGCCCACTTTCGGCCCTGGGACCAAGTGCATATCAGAC
001	p118w47	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGACAAGTCAGAGCATTAGCAGGT ATTTAAATTGGTATCAGCAGAAAACAGGGCAAGCCCTAAGCTCCTGATCTATAATGCAGCCAGATTGCAAAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCTACCTGAAGATTTTGAACCTTATCACTGTCAACAGACTTACATTACCC GTGGACGTTTGGCCAAGGGACCAAGGTGGAATCAAAC
001	p118w48	<i>IGLV</i>	CAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTCACTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAACCTGGCCAGGGCCCCAGACTCCTCATCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCCGGCAAGGGACACGACTGGACATTAAC
001	p118w5	<i>IGLV</i>	CAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTCACTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAACCTGGCCAGGGCCCCAGACTCCTCATCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCCGGCAAGGGACACGACTGGACATTAAC
001	p118w59	<i>IGLV</i>	GCATTAGCAACTATTTAAATTGGTATCAGCAGAAAACAGGGAAAGCCCTAAGCTCCTGATCTATGCTGCATCCAGATTGCAAAGTGGGGTCCCA TCAAGGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCTACCTGAAGATTTTGAACCTTACTACTGTCAACAGAC TTACATTACCCCGTGGACGTTTGGCCAGGGACCAAGGTGGAATCAAAC
001	p118w8	<i>IGLV</i>	CAGTCTGTGGTGACTCAGCCACCCTCAGCGTCTGCGACCCCGGCAGAGTGTACCATCTCTTGTCTGGAAGCAGCTCCAACATCGGAAGTAAT TTTGTATACTGGTACCAGCAGTTCCCAGGAACGGCCCCAACTCCTCATCTATAGTAATAATCAACGGCCCTCAGGGGTCCCTGACCGATTCTC TGGCTCCAAGTCTGACACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTATTACTGTGCAACATGGGATGACAGC CTGAATGGTCAGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCTAG

001	p118w81		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGCGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGCAACT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCAGCATCAGCAGTCTGCAACCTGAGGATTTTGCAACTTACTTCTGTGTCAGCAGAGTCACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGGTGGAGATCAAAC
001	p118w82		<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCGCCCTCTCCTGCAGGGCCAGTCAGAGTGTACCAGCA ACTTCTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGTCAGCAGTATGTTAATT ACCCTCGAACTTTTGGCCAGGGGACCCAGCTCGAGATCAAAC
001	p118w83		<i>IGLV</i>	TCCTATGAGCTGACACAGCCACCCTCGGTGTGTCAGTGTCCCCAGGACAGACGGCCAGGATCACCTGCTCTGGAGATGCATTGCCAAAGCAATATG CTTATTGGTACCAGCAGAAGCCAGGCCAGGCCCTGTGCTGGTATATATAAAGACAGTGAAGGGCCCTCAGGGATCCCTGAGCGATTCTCTGG CTCCAGCTCAGGGACAACAGTCACGTTGACCATCAGTGGAGTCCAGGCAGAAGACGAGGCTGACTATTACTGTCAATCAGCAGACAGCAGTGGT ACTTATCTTGTGGTATTCGGCGGAGGGACCAAGCTGACCGTCTAG
001	p118w93	63	<i>IGLV</i>	TCCTATGAACTGACACAGCCACCCTCGGTGTGTCAGTGTCCCCAGGACAGACGGCCAGGATCACCTGCTCTGGGGATGCATTGTCAAACAATATG CTTATTGGTATCAACAGAAGTCAGGCCAGGCCCTGTGTTGGTATATATCAAGACACTAAGAGGGCCCTCAGAGATCCCTGAGCGCTTCTCTGG CTCCAGCTCAGGGACAACAGTCACGTTGACCATCAGTGGCGTCCAGGCCGAGGACGAGGCTGACTATTACTGTCAATCATCGGACAGCAGTCCCT ACTTGGGTGTTCCGGCGCAGGGACTAAGTTGACCGTCTAG
001	p120w100		<i>IGLV</i>	CAGCCTGTGCTGACTCAGCCACCTTCTTCCCTCCGCATCTCTGGAGAATCCGCCAGACTCACCTGCACCTTGCCCAAGTGCATCAATGTTGCTTA CTACAACATATACTGGTACCAGCAGAAGCCAGGGAGCCCTCCAGGTATCTCCTCTACTACTACTCAGACTCAGATCAGGGCCAGGGCTCTGGA GTCCCCAGCGATTCTCTGGATCCAAGGATGCTTCAGCCAATACGGGGATTTTATTCATCTCCGGGCTCCAGTCTGAGGATGAGGCTGACTATTA TTGTATGATTTGGACAAGCAATGCTTCAATGTTCCGGCGGAGGGACCAAGTTGACCGTCTAG
001	p120w104		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGCAACT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGCAACTTACTACTGTCAACAGAGTCACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGAGCAAAC
001	p120w109		<i>IGLV</i>	GCCTCGTATACAGTGTGGAGACACCTACTTGTATTGGTTTACGAGAGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTAATCGG GACTCTGGGGTCCCAGACAGATTCAGCGCAGTGGGTGAGGCACTGATTTTCACTGACAATCAGCAGGGTGGAGGCTGAGGATGTTGCGATT TATTATTGTATGCAAAGTGAAACTGGCCTCCAACGTTCCGGCCTAGGGACCAAGGTGGAATCAAAC
001	p120w111		<i>IGLV</i>	GCAGTCGTATTGACGCAGTCTCCAGGCACCCTGTCTTGTCTCCAGGAGAAAAGGCCACCCTCTCCTGCAGGGCCAGTCAGAGTCTTGCCAATT CCTTAGCCTGGTACCAGCAGAAACCTGGCCACACTCCCAGGCTCGTCATCTTTGGTGCCTCAGCAGGGCCGCTGGCGTCCCAGACAGGTTCA GCGGTAGTGGGTTTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTATATTACTGTGTCAGCAGTATGATAGGGCA CCGCTCACTTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
001	p120w112		<i>IGLV</i>	AGCAGCTCCAACATCGGGGAGGTTATGATGTACTGTTACCAGTACTTCCAGGAACAGCCCCAAGCTCCTCATCTATGTTTACAACAATC GGCCCTCAGGGGTCCCTGACCGATTCTGTCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGCCTGAGGATGAGGCTG ATTATTACTGCCAGTCGTATGACAGCAGCCTGAGTAACACTGGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
001	p120w114	4	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGGGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCACCT ATTTAAATTGGTATCAACACAACCAGGGAAAGCCCCTAAGCTCCTGATCTATACTACATCCAATTTGCAAAGTGGGGTCCCATCAAGGTTTCAGT GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTGCAACTTACTACTGTCAACAGAGTTACACTACCCCG TGGACGTTCCGGCCCAGGGACCAAGGTGGAGACCAAAC
001	p120w122		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCGAGTCAGGGCATTAGCAATT ATTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCTAAGCTCCTGATTTATGATGCATCTACTTTGCAATCAGGAGTCCCATCTCGGTTTCAGTG GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGTCAAAACTATATCAGTGCCCCA TTCACTTTCCGGCCCTGGGACCAAAGTGGATCTCAAAC
001	p120w123		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAGTACCAGGCAAAGCCCCAACTCATAATTTATGAAGTCGTAAGCGGCCCTCAGGAGTCCCTGATCGCT TCTCTGGCTCCAAGTCTGGCAACAGCCCTCCCTGACCGTCTCTGGACTCCAGGCTGAGGATGAGGCTGATTATTACTGCAACTCATATGCAGG CAATTATAATTATGTCTTCGGAAGTGGGACCAAGGTACCGTCTAA
001	p120w126		<i>IGLV</i>	AACATGGTGGTGACCCAGTCTCCAGACTCCCTGTCTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAGGTCCGGCCAGAGTGTGTTTATACA GGGCCAACAATAGGAACACTTACTTGGTTCCAGCAGAAACCAGGTCAGCCTCCTAAGTTGCTTTTCTGGGCATCTTCCCGGCAATCCGG CGTCCCTGACCGCTTCAGGGGACGCGGCTCTGGGACAGACTTCACTCTCACCATCACCAGCCTGCAGGCTGAAGATGTGCAATTTATTACTGT CAACAATATTATTACTCCTCCTACGTTCCGGCCAAGGGACCAAGGTGGAACCTCAGAC

001	p120w136		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCAGCATCACTTGCCGGGCCAGTCAGAGTATTGGTAACT GGTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGTTCCTGATCTATAAGGCGTCTAAGTTAGAAAAGTGGGGTCCCATCAAGGTTCCAG CGGCAGTGGATCTGGGACAGAAATCACTCTCACCATCAATAGCCTGCAGCCTGATGATTTTGAACCTATTACTGCCAACAGTATAGTAATTTTGT TCCGGTGTTCGGCCAAGGGACCAAGGTGGAATCAAAC
001	p120w143		<i>IGLV</i>	CAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTCAGTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAAACCTGGCCAGGCCCCAGACTCCTCATCTCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGAGTTCACCTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCGGCCAAGGGACACGACTGGACATTAAC
001	p120w144		<i>IGLV</i>	CAATCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCGTCTCCTGCAGTGAACCAGCAGTACGTTGGTACTT ATGACTATGTCTCCTGGTACCAACAGTACCCAGGCAAAGCCCCAACTCATAATTAATGCTGTGATGATCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAACTCAT
001	p120w145	5	<i>IGLV</i>	AACATGGTGGTGACCCAGTCTCCAGACTCCCTGTCTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAGGTCCGGCCAGAGTGTTTTATACA GGGCCAACAAATAGGAACACTTAGCTTGGTCCAGCAGAAACCAGGTCAGCCTCCTAAGTTGCTCTTTTCTGGGCATCTTCCCGGCAATCCGG CGTCCCTGACCGCTTCAGGGGCGAGCGGGTCTGGGACAGACTTCACCTCTCACCATCACCAGCCTGCAGGCTGAAGATGTGCAATTTATTACTGT CAACAATATTATTACTCCTCCTACGTTCCGGCCAAGGGACCAAGGTGGAACCTCAGAC
001	p120w146	52	<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCGCCCTCTCCTGCAGGGCCAGTCAGAGTGTACCAGCA ACTTCTTAGCCTGGTACCAGCAAACTGGCCAGGCTCCAGGCTCCTCATCTATGTTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACCTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGAGCAGTATGTTAAT ACCCTCGAACTTTTGGCCAGGGGACCCAGCTCGAGATCAAAC
001	p120w15		<i>IGLV</i>	TCGGGCGAGCCGGCATATTTCCAATTGGTTAGCCTGGCTTCAGCAGAGGGCCAGGAAAAGCCCCTGAACTCCTGATCTATGATGCATCCACCTTG CAAAGTGGGGTCCCGTCGCGATTACGCGGCGCTGGATCTGGGACGGAATTTACTCTTACCATTAACAGCCTGCAGCCTGAGGATTTTGCCACTT ACTATTGTCAACAGACTAACACTTTCCCCCTCACTTTCCGGCGAGGGACCACGGTGGAGATCATAAC
001	p120w164		<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT AATTATGTATCCTGGTACCAGCAGCTCCCAGGAACAGCCCCAACTCCTCATTATGACAATTATAAGCGACCCTCAGGAATTCCTGACCGATT CTCTGGCTCCAAGTCTGGCACGTGAGCCACCTGGGCCATCACCGGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATAG CAGCCTGAGTGCCTATGTCTTCGGAACCTGGGACCAAGGTCACCGTCTAGG
001	p120w167		<i>IGLV</i>	TCCTATGAGCTGACACAGCCACCCTCGGTGTCAGTGTCCCAGGACAGACGGCCAGGATCACCTGCTCTGGAGATGCATTGCCAAAACAATTTG CTTATTGGTATCAACAGAAAGTCAGGCCAGGCCCTGTATTGGTGATATATCAAGACACTAAGAGGCCCTCAGAAATCCCTGAGCGCTTCTCTGGC TCCAGCTCAGGGACAACGGTACGTTGACCATCAGTGGCGTCCAGGCGGAGGACGAGGCTGACTATTACTGTCAATCATCGGACAGCAGTCCCT ACTTGGGTGTTCCGGCACAGGGACTAAGCTGACCGTCTGG
001	p120w168		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGTCTCCTGGACAGTCAGTCACCATCTCCTGCAGTGGGACCAGTAGTGACGTTGGTGGTT ATAATTATGTCTCCTGGTACCAGCAGCACCCAGGCAAAGCCCCAACTCATATTTATGAGGTCAATAAGCGGCCCTCAGGGGTCCCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGCAACTCATATGCAG GCAGTTATAATTATGTCTTCGGAACCTGGGACCAAGGTCACCGTCTTAG
001	p120w172		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGGGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCACCT ATTTAAATTGGTATCAACACAAAACCAGGGAAAGCCCCTAAGTCTCCTGATCTATACTACATCCAATTTGCAAAGTGGGGTCCCATCAAGGTTTCAGTG GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCTGCAACCTGAGGATTTGCAACTTACTACTGTCAACAGAGTTACACTACCCCG TGGACGTTCCGGCCAGGGACCAAGGTGGAGACCAAAC
001	p120w174		<i>IGLV</i>	CAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTCAGTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAAACCTGGCCAGGCCCCAGACTCCTCATCTCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGAGTTCACCTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCGGCCAAGGGACACGACTGGACATTAAC
001	p120w176		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGCAACT ATTTAAATTGGTATCAGCAGAAAACCAGGGAAAGCCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTTACTACTGTCAACAGAGTCACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGAGCAAAC
001	p120w178		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGACCATTAGCAACT ATTTAAATTGGTATCAGCAGAAAACCAGGGAAAGCCCCTAGGCTCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTTACTACTGTCAACAGAGTCACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGAGCAAAC

001	p120w185		<i>IGLV</i>	CAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTACGTACGTTTACAATTA CTTAGCCTGGTATCAACAGAAACCTGGCCAGGCCCCAGACTCCTCATCTCTGATGCATCCGACAGGGCCACTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCAACTGGC CTGTACCTTCGGCCAAGGGACACGACTGGACATTAAC
001	p120w187		<i>IGLV</i>	GAAATTGTGTTGACACAGTCTCCAGCCATCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTACAGTGTGGCACCT ACTTAGCCTGGTATCAACATAAATATGGCCAGCCTCCCAGGCTCCTCATCTATGATACATCCGACAGGGCCACTGGCATCCCACCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAACAGCGTAGCGACTGGC CTGTACCTTCGGCCAAGGGACACGACTGGAGATTAAC
001	p120w191		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGTACAGTGTATATA GCTCCAACAATAAGAACTACTTAGCTTGGTACCAGCAGAAACCAGGACAGCCTCCTAACTGCTCATTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTTCAGTGGCAGCGGGTCTGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAATTTATTACTGT CAGCAATATTATAGTACTCCATTGTACTCTTTGGCCAGGGTACCAGGCTGGAGATCAAAC
001	p120w193		<i>IGLV</i>	GATATTGTGCTGACTCAGTCTCCACTCTCCCTGCCCGTACCCTGGAGAGTCCGCTCCATGTCTGCAAATCTAGTCAGAGCCTCCTACATAG CAATGGATACAATTACGTGGGGTGGTTTCTGCAGAAGCCAGGGCAGCCTCCACAGCTCCTGATCTATTTGGGCTCTAATCGGGCCTCCGGGGT CCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACATTGAAAATCAGCAGAGTGGAGGCTGACGATGTTGGGATTTATTACTGCATGCA CGGTTTCCAAACTCCTTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
001	p120w20	54	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCAGCATCACTTCCCGGGCAAGTCGGAGCATTAACTTT TTTTAAATTGGTATCAGCAGAAACAGGAAAGCTCCCACTCCTCATCTATGCTGCCTCCACTTTGCAAAGTGGGGTCCCATCACGGTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATTAGCAGTCTGCAACCTGAAGATTTTGAACCTTACTTCTGTCAACAGAGTTACAGTACCCC GTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
001	p120w203		<i>IGLV</i>	GAGATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACA AAGATGGAGACACCTACTTGTATTGGTTTCAGCAGAGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAAGTTTCTAACCGGGACTCTGGGGT CCAGACAGATTCAGCGGCAGTGGGTCCAGGCACTGATTTTCACTGAAAATCAGCAGGGTGGAGGCTGAAGATGTTGCGATTTATTACTGCATGC AAAGTGAAGCTGGCCTCCAACGTTTCGGCCTAGGGACCAAGGTGGAATCAAAC
001	p120w21		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGTCAAGTGTCCGGTCTCCTGGACAGTCACTCACCATCTCCTGCAGTGGAAACCAGCAGTGTGTTGGTCTT ATAACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAACTCATTATTTATGAGGTCTATAAGCGGCCCTCAGGGGTCCCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGACGATGAGGCTGATTATCACTGCTGCTCATATACAG GCGACTATGTTTTCTGGTATTTCGGCGGAGGGACCAAGCTGACCGTCTTAG
001	p120w3		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGCGGAGACAGAGTACCATCACTTCCCGGGCAAGTCAGACCATTAGCCACT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCAGCCTCCTGATCTATGCTGCATCCAGTTTGACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTTACTACTGTCAACAGAGTTACAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
001	p120w30		<i>IGLV</i>	CAGCCTGTGCTGACTCAGCCACCTTCTTCCCTCCGCATCTCCTGGAGAATCCGCCAGACTCACCTGCACCTTGGCCAGTGCATCAATGTTGCTTA CTACAACATATACTGGTACCAGCAGAAGCCAGGGAGCCCTCCCAGGTATCTCCTCTACTACTCAGACTCAGATCAGGGCCAGGGCTCTGGA GTCCCCAGCCGATTCTCTGGATCCAAGGATGCTTCAGCCAATACGGGGATTTTATTCATCTCCGGGCTCCAGTCTGAGGATGAGGCTGACTATTA TTGTATGATTTGGACAAGCAATGCTTCAATGTTTCGGCGGAGGGACCAAGTTGACCGTCTAG
001	p120w35		<i>IGLV</i>	ATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTGGAGAGCCGGCCTCCATCTCCTGTAGGTCTAGCCAGAACCCTCCTGGCTAGTAATGGAC ACACCTACATGAATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATGTCTTTTCGTTTCTAATCGGGCCTCCGGGGTCCCTGACAG GTTACAGTGGCAGTGGATCAGGCACAGATTTTACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGCGTTTATTACTGCATGCAGACTCTAC AATTTCTCAAACTTTCGGCCCTGGGACCAAGGTGGAATCAAAC
001	p120w37		<i>IGLV</i>	GACGTCCAGTTGACCCAGTCTCCATCCTTCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTCCCGGGCCAGTACAGGGCATTAGCAATT ATTTAGCCTGGTATCAGCAAAAACCAGGGAAAGCCCCAAGCTCCTGATCTATCTTGCATCCACTTTACAAGGTGGGGTCCCATCAAGGTTTCAGC GGCAGCGGATCTGGGACAGACTTCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTACTGTCTAGAGCTTAATAATTACCC GTTACCTTCGGCCAAGGGACACGACTGGAGACTAAGC
001	p120w46	64	<i>IGLV</i>	TCCTATGAGCTGACACAGCCACCCTCGATGTCAGTGTCCCCGGACAGACGGCCAGGATCACCTGCTCTGGAGATGCCTTGTCAAAAACAATATG CTTATTGGTATCAACAGAAGTCAGGCCAGGCCCTGTGTTGGTGATATATCAAGACACTAAGAGGCCCTCAGAGATCCCTGAGCGCTTCTCTGG CTCCAGCTCAGGGACAACAGTACCTTGACCATCACTGGCGTCCAGGCAGAGGACGAGGCTGACTATTACTGCCAATCATCGGACAGCAGTCT ACTTGGGTGTTTCGGCGCAGGGACTAAGTTGACCGTCTAG
001	p120w48		<i>IGLV</i>	CAGCCTGTGCTGACTCAGCCACCTTCTTCCCTCCGCATCTCCTGGAGAATCCGCCAGACTCACCTGCACCTTGGCCAGTGCATCAATGTTGCTTA CTACAACATATACTGGTACCAGCAGAAGCCAGGGAGCCCTCCCAGGTATCTCCTCTACTACTCAGACTCAGATCAGGGCCAGGGCTCTGGA GTCCCCAGCGATTCTCTGGATCCAAGGATGCTTCAGCCAATACGGGATTTTATTCATCTCCGGGCTCCAGTCTGAGGATGAGGCTGACTATTA TTGTATGATTTGGACAAGCAATGCTTCAATGTTTCGGCGGAGGGACCAAGTTGACCGTCTAG

001	p120w51		<i>IGLV</i>	GATATTGTGATGACCCAGACTCCACTCTCTTACCTGTCACCCTTGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTGAAAGCCTCGAACACA GTGATGGAAGTACCTACTTGAGTTGGCTTCAACAGAGGCCAGGCCAGCCTCCAAGACTCCTAATTTATAAGATTTCTAACCGGTTCTCTGGGGTCC CCAGACAGATTCAGTGGCAGTGGGGCAGGGACAGATTTACACTGAAAATCAGCAGGGTGGAAAGCTGAGGATGTCGGGGTTTATTACTGTATGC AAACTACACAATTTCCCGGACGTTCCGGCCAAGGGACCAAGTGGAAATCAAAC
001	p120w55		<i>IGLV</i>	GCCTACTTGATTGGTTTCAGCAGAGGCCAGGCCAATCTCCAAGGCCCTAATTTATAAGTTTCTAACCGGGACTCTGGGGTCCCAGAAAGATT CAGCGGCAGTGGGTGAGGCACTGATTTCACTGAAAATCAGCAGGGTGGAGGCTGAAGATGTTGCGATTTATTACTGCATGCAAAGTGTAAAG TGGCCTCCAACGTTCCGGCTAGGGACCAAGGTGGAAATCAAAC
001	p120w62		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCCTGGAACCAGCAGGGACGTTGGTGGT CAGAATTATGTCTCCTGGTACCAACAGCACCCAGGCCAAAGCCCCCAACTTATCCTCTTTAATGTGACGTAATCGGCCCTCAGGAGTTTCTGATCGC TTCTCTGGCTCCAAGTCTGCCAACACGGCTCCCTGACCATCTCTGGGTCCAGGCTGAAGACGAGGCTGATTATTACTGCAACTCTTTTACAAG CAGTAATACTTGGGTGTTCCGGCGAGGGACCAAAATGACCGTCTAG
001	p120w7		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTCTATTGCACA GAGCCAATAATAAAGATTATTTAGCATGGTACCAACAGAAACCAGGACAGCCTCCTAAGCTCCTCATTTACATGGCATCTACCCGGGAATCCGGG GTCCCTGACCGATTAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCAGCATCAGCAGGCTGCAGGCTGAAGATGTGGCAGTGTATTACTGTG AGCAATATTATGATATTCCTCGGACGTTCCGGCCAAGGGACCAAGGTGGAAATCAAAG
001	p120w82		<i>IGLV</i>	TCCTATGAACTGACACAGCCACCCTCGGTGTGAGTGTCCCCAGGACAGACGGCCAGGATTACCTGCTCTGGGGATGCATTGTCAAAAACAATATG CTTATTGGTATCAACAGAAGTCAAGGCCAGGCCCTGTGTTAATCATATATCAAGACACTAAGAGGCCCTCAGAGATCCCTGAGCGTTCTCTGGC TCCACCTCAGGGACAACAGTACGTTGACCATCCGTGGCTCCAGGCCGAGGACGAGGCTGACTATTACTGTCAATCATCGGACAGCAGTCCCT CCTGGGTGTTCCGGCGCAGGGACTAAGTTGACCGTCTAG
001	p120w83		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCGAGTCAAGGCATTAGCAATT ATTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCTCCTGATCTATGATGCATCCGCTTTGCAATCAGGGGTCCCATCGCGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCATCATCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGTCAAAGGTATCTCAGTGCCCC ATTCATTTCCGGCCCTGGGACCAAAAGTGGATATCAAAC
001	p118w203	2	<i>IGLV</i>	CAGCCTGTGCTGACTCAGCCACCTTCTTCCCTCCGCATCTCCTGGAGAATCCGCCAGACTCACCTGCACCTTGCCAGTGCATCAATGTTGCTTA CTACAACATATACTGGTACCAGCAGAAGCCAGGGAGCCCTCCAGGTATCTCCTCTACTACTACTCAGACTCAGATCAGGGCCAGGGCTCTGGA GTCCCCAGCCGATTCTCTGGATCCAAGGATGCTTCAGCCAATACGGGGATTTTATTCATCTCCGGGCTCCAGTCTGAGGATGAGGCTGACTATTA TTGTATGATTTGGACAAGCAATGCTCAATGTTCCGGCGAGGGACCAAGTTGACCGTCTAG
001	p118w111	55	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAAGCATTAGCAACT ATTTAAATTTGGTATCAGCATAAACCAGGGAAAGCCCTAGGGCTCCTGATCTATGCTGCATCCAGTTTGACAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTTACTACTGTCAACAGAGTCAAGTAGTCC TGGGACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
002	p125w100	58	<i>IGHV</i>	CAGGTGCAGTTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCCTGTCTCTGGTGGCTCCATCGGTAAA TACTACTGGAGTTGGATCCGGCAGCCCCAGGGAAAGGGACTGGAGTGGATTGGGTATATCTATTACTGGAACCACCAACTACAACCCCTCCC TCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAATTCTCCCTGAACCTGAGCTCTGTGACTGCTGCGGACACGGCCGTGTATTA CTGTGCGAGAGAGAGTCCCTCCCCTGTGGTGGCGGTGCCTGGAGAATACTACTTTGACTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTC AG
002	p125w104		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCGTCTGGATTACCGTCAAGTAA CTATGGCATGTCTTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCATTATATGGTATGATGGGACTAATACATACTATGCAGAC TCCGTGAAGGGCCGATTACCATCTCCAGAGACAGTTCAGGAACACCCTATTTCTGCAAATAAACAGCCTGAGAGCCGAGGACACGGCTGTGT ATTACTGTGGGAGAGATCCACCCCAAGGAGTACGGGTCGTGGGGGACTACTACTCTACGGCATGGACGTCTGGGGCAAGGGACC GCGGTCACCGTCTCCTCA
002	p125w109		<i>IGHV</i>	CAGGTTCACTGATGCAGTCTGGAAGTGAAGTGAACAGCCTGGGGCCTCAGTGAAGTCTCCTGCGTGGCTTCTGGTTATAGTTTTACCGCCT ATAGTATCAACTGGGTGCGACAGGCCCCAGGACAAGGGCTTGGATGGATGGGGTGGATCAGTGTTTACAAAGGTGAAACAAAGTATGCACAGAA GTTCCAGGGCAGAGTCACTATGACCGCAGACCCATCCACGACACAGCCACATGGAAGTGGGGTCTGACATCTGAGGACACGGCCTTATA TTTCTGTGCGAGGGACCGACGCGGGAATATGATGACAGTCGTGGTTTTGAAAAATGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
002	p125w112	46	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACGTGCCTGTCTCTGGTGGCTCCATCAATAGT TACTACTGGAGTTGGATCCGGCAGTCCCCAGGGAAAGGGACTGGAGTGGATTGGGTATGTCTTTACAGTGGCATCAACCAAGTACAACCCCTCCC TCCAGAGTCGAGTCACCATATCACTGGACATGGGCAAGAACCAGTTCTCCCTGAAGTTGACCTCTGTGAATGCTGCGGACGCGGCCGTGTATTA TTGTGCGAGAACTTTCCGAGCTACACCCCGGACTGGTTTTTTGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCTCAG

002	p125w113		<i>IGHV</i>	CACGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCACTCACCTGCAGTGTCTCTGGTTACTCCATCAACAGTGGCTACTACTGGGGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGAGTTTGTATCATAGTGGGAGCACCTACTACAACCCGTCCTCAAGAGTCGAGCCACCATATCAGTCGACCCGTCGAAGAACCAGTTGTCCCTGAACCTGAGGTCTGTGACCCGCCGACACACGGCCGTTTATTTCTGTGCGAGACGGGCTATGGGGGATATGTTCCAGCTAGAGAATTCGACCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p125w114		<i>IGHV</i>	TGTCAAGGTCTCCTGCAAGGCTTCTGGATACACTTTCACCGGCTTCTATATACAGTGGATTGACAGGTCCCTGGACAAGGACTTGAGTGGATGGATGGGTCGACCCTAACAGTGGTGACACAGCATATGCACAGAAGTTTCAGGGCAGGGTACCATGACCAGGGACACGTCCATCAGATCAACCTACATGGAGTTGAGCAGGCTGACACATGACGACACGGCCGTTTATTATTGTGCGAGAGATTATTATGATAGAAGTGGATATGATCTCGACTACTTTGATTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAC
002	p125w119		<i>IGHV</i>	GAGGTGAAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTGAGAGTCTCCTGTGCAGTCTCTGGATTTACGTTTGAAGAAATATGCCATGCACTGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTACAATAGTGGTAGCATAGGCTACGCGGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAGAACTGCAATCTCCAGAGACAACGCCAGAACTGCAATGAAACAGTCTGAGACCTGAGGACACGGCCTTGTATCACTGTGTAAGATAGTGGCCGCTGTTTCCAAGCGAGGGAGCAGCTCCAGACCTGGAGGCACTACGACTACGGTATGGACGTCTGGGGCC AAGGGACGAAGGTCATCGTCTCCTCA
002	p125w126		<i>IGHV</i>	CGAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTGCCTTCAGTGACTATAACATCAACTGGGTCCGCCAGGCTCCAGGGAA GGGGCTGGAGTGGGTCTCAGCCATTACGACTAGTAGTAGTTACATATACTACGCAGACTCAGTGAAGGGCCGATTTACCATCTCCAGAGACAAC GCCAAGAAGTCACTGTATCTGCAAATGAACAACCTGAGAGCCGAGGACACGGCTGTTTATTACTGTGCGCGAGATACGCGGGGGCATAGCACGTCGTATCACCTCTATTACGTTTGGACGCTCTGGGGCCCAAGGGACACCGTCTCCTCAG
002	p125w136	44	<i>IGHV</i>	GAGGTGAAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTGAGAGTCTCCTGTGCAGTCTCTGGATTTACGTTTGAAGAA TATGCCATGCACTGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTACAATAGTGGTAGCATAGGCTACGCGGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAGAACTACTTGCATCTGCAAATGAACAGTCTGAGACCTGAGGACACGGCCTTGTATCACTGTGTAAGATAGTGGCCGCTGTTTCCAAGCGAGGGAGCAGCTGCAGACCTGGAGGCACTACGACTACGGTATGGACGTCTGGGGCC AAGGGACGAAGGTCATCGTCTCCTCA
002	p125w14	27	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTCAAGCCTTTGGAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGTCTCCATCAATAGTT ACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGCAATGTCTTTTATAGTGGGAGCACCAAGTACAATCCCTCCCT CGAGAGTCGAGTCGCCATGACAGTTGACTCGTCCAGGAATCAGGTCTCCCTGAGGCTGAACTCTGTGACCCGCTGCGGACACGGCCGTGTATTA CTGTGCGAGAGAAGGGGTGGGATACGGCTACAATAATTACGGAGTAACTGGTTCGACCCTGGGGCCAGGGAACCTCTGGTCACCGTCTCGTC AG
002	p125w143		<i>IGHV</i>	CAGGTGCAGCTGCGGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTAATGGCTCCATGACTAAT TATTATTGGACATGGTCCGACAGCCCCAGCGGGAAGGCTGGAATGGATTGGATATGTCTATTCCAGTGGGAGCACCAACTACAACCCCTCCC TCCAGATCGGGTCACCATAACTGTAGACACCTCCAAGAATCAGTTCTCCCTGAACTCTGTGACCCGCTGCGGACACGGCCGTGTATTA CTGTGCGAGAGGGACCCTGCTTCGGGAGGCTAAGTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p125w159		<i>IGHV</i>	GAAGAGCAGCTGGTGCAGTCCGGAGCAGAGGTGAAAGAGCCCCGGGGAGTCTCTGAGGATCTCCTGCAAGGGTCTGGATACAGCTTTACCAGC CACTGGATCACCTGGGTGCGCCAGATGCCCGGAAAGCCCTGGAGTGGATGGGGAGGATTGATCCTAGTACTTAATACCCACTACAGCCCCG TCCTTCCAAGGCCACGTCACCATCTCAACTGACAAGTCCATCAGCACTGCCTACCTGCAGTGGAGCAGCCTGAAGGCCTCGGACAGCGGCATCT ATTACTGTGCGACGAGCTACCGCTCTACTACTATTACGGTATGGACGTCTGGGGCCAAGGGACCTCGGTACACCGTCTCCTCA
002	p125w162		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTCAAGCCTTTGGAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGTCTCCATCAATAGTT ACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGCAATGTCTTTTATAGTGGGAGCACCAAGTACAATCCCTCCCT CGAGAGTCGAGTCGCCATGACAGTTGACTCGTCCAGGAATCAGGTCTCCCTGAGGCTGAACTCTGTGACCCGCTGCGGACACGGCCGTGTATTA CTGTGCGAGAGAAGGGGTGGGATACGGCTACAATAATTACGGAGTAACTGGTTCGACCCTGGGGCCAGGGAACCTCTGGTCACCGTCTCGTC AG
002	p125w163	31	<i>IGHV</i>	GAAGAGCAGCTGGTGCAGTCCGGAGCAGAGGTGAAAGAGCCCCGGGGAGTCTCTGAGGATCTCCTGCAAGGGTCTGGATACAGCTTTACCAGC CACTGGATCACCTGGGTGCGCCAGGTGCCCGGAAAGCCCTGGAGTGGATGGGGAGGATTGATCCTAGTACTTAATACCCACTACAGCCCCG TCCTTCCAAGGCCACGTCACCATCTCAACTGACAAGTCCATCAGCACTGCCTACCTGCAGTGGAGCAGCCTGAAGGCCTCGGACAGCGGCATCT ATTACTGTGCGACGAGCTACCGCTCTACTACTATTACGGTATGGACGTCTGGGGCCAAGGGACCTCGGTACACCGTCTCCTCA
002	p125w167		<i>IGHV</i>	ATGAAAAAGCCCCGGGGCCTCAGTGAAGTCTCCTGCTCGGCTTCTGGTTACACCTTTAGCACCTATAGTATTACTGGGTGCGACAGGCCCCAG GACAAGGCTTTGAGTGGATGGGATGGATCAGCGCTTACAATGGTGACACAAAATATGTACAGAAGTTCAGGGCCAGAGTCCCATGACCCGAGA CACATCCACGAGCACAGCCTACATGGAAGTGGAGTCTGACATATGACGACACGGCCGTTTATTCTGTGCCAGGGATCGACGCGCGGAATAT CATGACAGTCGTGGTTTTGAAAAATGGGGCCAGGGAACCCTGGTCACCGTCTCGTCAG

002	p125w17	35	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAGGAAGCCTGGGTCTCGGTGAAAGTCTCCTGCAAGGCCTCTGGAGGCACCTTCGGCAGCTATAGTTTCAACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAGGGATCATCCCTATGTATCGTAGACCAAATTACGCACAGATGTTCCAGGGCAGAGTCACCAATTACCGCGGACGAATCCACGAGCACAGCCTACATGGAGCTGAGCAGCCTGAGATTTGAGGACACGGCCGTGTATTACTGTGCGAAGGCCGTTACGATATTTTACTGGTCACTTTACTACTACGGTATGGACGCTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
002	p125w172		<i>IGHV</i>	CAGGTGCAGCTGGTGGAACTCTGGGGGAGGCGTGGTCCAGCCTGAGAGGTCCCTAAGACTCTCCTGTGTAGCGTCTGGATTTACCTTCAGGACC TATGGCATGCACTGGGTCCGTCAGGCCCCAGGCAAGGGCCTGGAGTGGGTGGCAGCTATGTGGTACGATGGAAGTAATAAATATTATGCAGAC TCGGTGAAGGGCCGATTACCACTCTCCAGAGACAATTCCAAGAACACAGTATATCTGCAAATGAACAGCCTGAGAGTCGAGGACACGGCTGTGT ATTACTGTGCGAAGAACCATGTCATCTACGGTAGTAATTCTAACAACTATATGGACGCTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
002	p125w175		<i>IGHV</i>	AAGTGAAGCTGGTGGAGTCTGGGGGAGGCCTGGTACAGCCTGGCAGGTCCCTGAGAGTCTCCTGCGAAGTCTCTGGATTTACGTTTGAAGAAT ATGCCATGCAGTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTACAATAGTGGTAGCATAGGCTATGCGGACT CCGTGAAGGGCCGATTACCACTCTCCAGAGACAACGCCCAGAAGTCCCTGTATCTGGTAATGAACAGTCTGAGACCTGAGGACACGGCCGTGTA TTAGTGTGTAAGAAGATAGTGGCCGCTGGTACCAAGCGAGGGAGCAGCTCCAGACCTGGAGGCACTACGACTACGGTATGGACGCTCTGGGGCCA AAGGGCCAAGGTCACTCGTCTCCTCA
002	p125w176		<i>IGHV</i>	ATTACTGGAGTTGGATCCGGCAGACCCAGGGAAGGGACTGGAGTGGCTTGCAATTTATCTTTTATAGTGGGAGCACCCACTCCAACCCCTCCCT CCAGAGTCGAGTCACCATATCATTAGACATGTCCAAGAACCAGTTCTCCCTGGAGCTGAGCTCTGTGACCGCTGCGGACTCGGGCGTTTATTATT GTGTGAGAGAGGGGGTGGATATTGTGGCGCTAACTGCCCGTACTACTTTGACGACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p125w177	57	<i>IGHV</i>	CAGGTGCAGTTGGTGGAGTCTGGGGGAGGCGTGGTCCAGTCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGAAGC TATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTAGAGTGGGTGGCAGATTTATCATTAGATGGAAGTCATAAATACGCAGACTCCG TGAGGGGCCGATTACCACTCTCCAGCGACAGTTCCAAGAACACGGTGTATCTGCAAATGAACAGCCTGAGAACTGAGGACACGGCTATATATTA CTGTGCGAGAGCCGCGGGTATAATGGTGGCTGGTACTTTCTTAACCGAGTTCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCC TCAG
002	p125w178		<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGACAGTTTCTGCAAGGCATCTGGATACGCCTTCACCAGT TTCTATCTACACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAATAATCAACCCTAGTGATGGTTCGACAAAGATACGCACAGA AGTTCCAGGGCAGAGTCACCATGACCAGCGACACGTCCACGAACACAGTCTACGTGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCATAT ATTACTGTGCGAGAGGTGCCATCGGGAACCTACAATGCCCGAGGCTTTGGACGCTCTGGGGCCGAGGGACCACCGTCAACCGTCTCCTCA
002	p125w184		<i>IGHV</i>	CACTCACGTGCAGTGTCTCTGGGGTCCGTC AATAGTGGTGGTTACTACTGGAGCTGGATCCGGCAGTCCCCAGGGAAGGGACTGGAGTGGAT TGGCTACATTTATTACAGTGGGAGTACCGACTACAACCCCTCCCTTAAGAGTCGAGCCACCTTATCTATAGACACGTCTATGAACCAATTCTCCCT GAAACTGACATCTCTTACCGCTGAGGACACGGCCATATACTATTGTGC
002	p125w185		<i>IGHV</i>	TTCATCTGGTACAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGACCTCTGGATAACAATTCAACGACTACTT TGTTCACTGGTTTTCGACAGGCCCTGGACAAGGGCTTGAGTGGGTGGGGTGGATCAACCCTAATAGTGGTGGCACAATTTATGCAATAAATTT CAGGGCAGGGTCACCATGACCTGGGACACGTCCCTCACCACAGCCTACATGGAGCTGACCGGGCTGAGATCTGACGACACGGCCGTCTATTAC TGTGCGAGAGTCAGATTTCTGGCTATGATTTGCTTGAATACTGGGGCCAGGGCACCCCTAATAAGTGTCTCTTCAG
002	p125w187		<i>IGHV</i>	GAGGTGCGAGTGTGGAGTCTGGGGGAGCCTTGGTACAGCCTGGGGGTCCCTGAGACTCTCCTGTGTAGCCTCTGGATTTCCCTTTACAAATT CTATCATGACGTGGGTCCGCCAGGCACAGGGAAGGGGCTGCAGTGGGTCTCAAGTCTTAGTAATATTGACGGCAGTACATACTACGCAGACTC CGTGGAGGGCCGCTTCAGCATCTCCAGCGACCAATTCCAAGAACACCCTTTATCTGCAACTGAATTCCTGAGAGCCGAGGACACGGCCAGATAT TACTGCGCAAGGAGTTTCAGACTAGTGGCAGGTGTGGCAATTATAATTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p125w20		<i>IGHV</i>	GAGGTGAAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTGAGAGTCTCCTGTGCAGTCTCTGGATTTACGTTTGAAGAA TATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTACAATAGTGGTAGCATAGGCTACGCGGAC TCCGTGAAGGGCCGATTACCACTCTCCAGAGACAACGCCAC
002	p125w203	47	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCCTCGGAGACCCTGTCCCTCACCTGCTCTGTCTCTGGTGGCTCCATCAGTGTT TACTACTGGAACCTGGATCCGGCAGTCCCAGGGAAGGGACTGGAGTGGATTGCGTCTATGTATTACTGGAATTACCAACTACAACCCCTCCC TCAAGAGTCGAGTCACCATGTCAGTAGACATGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACGGCCGTGATTA CTGTGCGAGAACGATGGGGATTGACCAGAATAACCGTGGCTGGCCCCCTGCGGGCTACTACTTCGGCATGGACGCTCTGGGGCCAAGGGACCA CCGTCACCGTCTCCTCA



002	p125w25		<i>IGHV</i>	GATGGTGGGTCCTTCAGTGGTTACTACTGGAGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAAATCAATCATAGTGGAA GCACCACCTACAACCCGTCCTCGAGAGTCGAGCCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTCAATTTGAACTCTGTGACCGC CGCGGATACGGCTGTGTATTTCTGTGCGAGGGCCCTGCTTGTGTGGACTCCTCGTCCTGAGTGGGTGAGTGGGGTCTTTGACTACTGGGGCCA GGATCCCTGGTCACCGTCTCCTCAG
002	p125w3		<i>IGHV</i>	AAGACTGGTGAAGCCTTCGGAGACCCTGTCCTCACCTGCGGTGTCTCTGATTACTCTATCAGCAGTGGTTACTACTGGGGCTGGATCCGACAG TCCCCAGGGGAAGGGGCTGGAGTGGATTGGGAGTATCTTTTCATAGTGGGGCCACGTACTTCAACCCGTCCTCAAGAGTGCAGTACCATCTCAG TAGACACGTCCAAGAACCAGTTCTCCCTGAAGTGAAGTCTGTGACCGCCGACAGACACGGCCGTGATTACTGTGCGGAGACCGTAATTACTA TCATGATAGTGATTATTACGGGGCGCTGACTTACTTTGACTTCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
002	p125w37	28	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGGTTAGTTCAGCCGGGGGTGCCCTGAGACTCTCCTGTGCAGCCTCTGGATCCACCTTCAGTAGC TACTGGATGCACTGGGTCCGCCAAGCTCCAGGGAAGGGGCTGGTGTGGGTCTCACGTATTAATAGTGATGGGAGTAGCACAAGTTACGCGGGC TCCGTGCAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACACGCTGTATCTGCAAATGAGCAGTCTGAGAGCCGAGGACACGGCTGTG TATTACTGTGCAAGGGGGCCATCAACCCATTTGACCGGAGCTGTGGCTATTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCGG
002	p125w46		<i>IGHV</i>	GAGGTGAAACTGGTAGAATCTGGGGGAGACTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCTTGTGAAGGCTCTGGATTACGTTTTAGTAGT GTTTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGCCTACATACAGCCAGATGGAAAGGAGAGAACTATGTGGAC TCTGTCAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACTACTGTATCTGCAAATGAACAACCTGAGAGTGCAGGACACGGCCCTTTA TACTGTACGATAGGGCACTACGACCACTATTGGGGCCAGGGAACCCCTGGTCACTGTCTCTCAG
002	p125w47	29	<i>IGHV</i>	GACGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTACGTTTCAGTAGG GCCTGGATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAGTGGGTTGGCCGAATTA AAAACAAAATGAGGGCGAGACAAGAGACTAC GCTGCACCCGTGAAAGGCAGATTCACCATCTCAAGAGATGACTCAAAGCCACGCTCTATCTGCAAATGAATGACCTGAAAACCGAGGACACAG CCGTGTATTATTGTCCACAGATAGTCGTTACGGTGACGGCTCGGGAGTTTTTGATATCTGGGGCCATGGGACAAAGGTCACCGTCTCTCAG
002	p125w5	45	<i>IGHV</i>	CAGGTCCA ACTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTGACACTGTCTGTGCAGCCTCTGGATTACCTTCAGCAAC TATGTTATGCACTGGGTCCGACAGGCTCCAGGCAAGGGACTGGAATGGGTGGCTCTTGTCTCACTTGAAATAAGTTATAATCAATATGTGGACTC CGTGAAGGGCCGATTACCATCTCCAGAGACA ACTCCAAGAACACAGTGTCTCTGGAATTGAACAGCCTGAGAGATGAGGACACGGCTGTCTAT TACTGTGCGAGAGAGGGGGAGACCAGTGGCCATGCTGGAAGTTTTGACTACTGGGGCCAGGGAACCCCTGGTCACTGTCTCTCAG
002	p125w55		<i>IGHV</i>	CAGGTGCTGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACGTGCAGTGTCTCTGGTGGCTCCATGACTAGT TACTATTGGAGCTGGATCCGGCAGCCCGCCGGAAGGGACTCGAATGGATTGGGCGTATTTATGTCAGTGGGACCACCAACTACAATCCCTCCC TCCAGAGTGCAGTACCATGTCAGTGGACACGTCCACGAACAGTTCTCCCTGAGGCTGAGCTCTGTGACCGCCGCGGACTCGGCCGTCTATT ATTGTGCGCGAGAATACACCTACCGAAATTACTACTATGGTTTGGACTTCTGGGGCCAGGGACCACGGTCACTGTCTCTCA
002	p125w59	30	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGACAGTTTCTGCAAGGCATCTGGATACGCCTTCACCAGT TTCTATCTACACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAATAATCAACCCTAGTGATGGTGCACAAGATACGCACAGA AGTTCCAGGGCAGAGTACCATGACCAGCGACACGTCCACGAACACAGTCTACGTGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCATAT ATTACTGTGCGAGAGGTGCCATCGGGAACATAAATGCCCGGGAGGCTTTGGACGTCTGGGGCCGAGGGACCACCGTCACTGTCTCTCA
002	p125w62		<i>IGHV</i>	GAGGTGAAACTGGTAGAATCTGGGGGAGACTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCTTGTGAAGGCTCTGGATTACGTTTTAGTAGT GTTTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGCCTACATACAGCCAGATGGAAAGGAGAGAACTATGTGGAC TCTGTCAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACTACTGTATCTGCAAATGAACAACCTGAGAGTGCAGGACACGGCCCTTTA TACTGTACGATAGGGCACTACGACCACTATTGGGGCCAGGGAACCCCTGGTCACTGTCTCTCAG
002	p125w7		<i>IGHV</i>	GAGGTGAAACTGGTAGAATCTGGGGGAGACTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCTTGTGAAGGCTCTGGATTACGTTTTAGTAGTGT TTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGCCTACATACAGCCAGATGGAAAGGAGAGAACTATGTGGACTC TGTC AAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACTACTGTATCTGCAAATGAACAACCTGAGAGTGCAGGACACGGCCCTTTATT ACTGTACGATAGGGCACTACGACCACTATTGGGGCCAGGGAACCCCTGGTCACTGTCTCTCAG
002	p125w8		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTACTCCATTAGTAGT GACCGTTACTACTGGAATTGGATCCGCCAGCACCCAGGGAGGGCTCGAGTGGATCGGGTACATAAATTACAGTGGGAGAACCCACTACAATC CGACCCTCCAGAGTCTCTGTTAGCATGTGAGTACACCTCTAAGAACCAGTTCTCCCTGAAATGAGTTCTGTGACGGCCGCGGACACGGCCGT ATATTACTGTGCGAGAAATTTCTGGATTTAGAAATTACGACCCCGTGGACTGCCTGACCCCGTGGGGCCAGGGAATCCTGGTCACTGTCTCTCA G
002	p125w81		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACTGCCTGGAGGGTCCGTGAGACTCTCCTGCGCAACGTCTGGATTACCTTTAGTGGT TATGGAATGAACTGGCTCCGCCAGACTCCAGGGAAGGGGCTGGAATGGATTTCATATCAGTAATTTTAATACTAACATATACTATGCGACCTCT GTGAGGGCCGATTACCATCGAAGCGACACTCCGAGAACTCAATATCTGCAAATGAACAGCCTGAGAGTGCAGGACTCGGCTGTTTATT ACTGTGCGAGAGAGGGCCCCGAGTGGGAGCTTAGATTACTGGGGCCCTGGGAACCCCTGGTCACTGTCTCTCAG

002	p125w83	60	<i>IGHV</i>	GACGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTACAGTTTCAGTAGG GCCTGGATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAGTGGGTTGGCCGAATTA AAAACAAAATGAGGGCGAGACAAGAGACTAC GCTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGACTCAAAGCCACGCTCTATCTGCAAATGAATGACCTGAAAACCGAGGACACAG CCGTGTATTATTGTGCCACAGATAGTCGCTACGGTGACGGCTCGGGAGTTTTTGATATCTGGGGCCATGGGACAAAGGTCACCGTCTCTTCAG
002	p125w93		<i>IGHV</i>	CAGTTTAACTGGTGCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGCCTTCTGGTTACACCTTTACCAGCT ATGGTATCACCTGGGTGCGACAGGCCCTGGACAAGGTCTTGAGTGGATGGGATGGATCAGCACTTATGATGGTACACAAAATATGCACAGAA GTTCCAGGACAGAGTACCATGACCACAGACACATCCACGAGCACAGCGTACATGGAGCTGAGGAGCCTGAGATCTGACGACACGGCCATGTA TACTGTGCGAGAGATGGTGTAGGCTACAGTGTAGCTTTGACTTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p126w104	36	<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGTAGCCTCTGGATTACAGTTTCAGTGAC TACTCCATGAGCTGGATCCGCCAGGCTCCAGGGAAGGGACTGGAGTGGATTGCATACATTAATCAAATAAGTGCTTACATAAGTTATGCAGACTC TGTGAAGGGCCGATTACCATCTCCAGGGACAACGCCAAGAAGTCACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTCTTTAT TACTGTGCGTCCCGTGGGGGCAAAGGTTTTGAAGACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p126w112		<i>IGHV</i>	GAGGTGCAGGTGGCGGAGTCTGGGGGAGGCTTGGTCCACCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCGTTCGGTAG CAACTACATGAACTGGGTCCGCCTGGCTCCAGAGAAGGGGCTGGAGTGGGTCTCAGTTATGTATAGCAGTGGTGGCACATACTACGCAGACTC CGTGAAGGGCAGATTACCATTTCCAGAGACAATTCCAAGAACACGGTGGATCTTGAATGAACAACCTAAGAGCCGAAGACACCGGAGTATACT ACTGTGCGAGAGACGGGATACAGATAAGAAGTACTACTACTACGGTATGGACGTCTGGGGCCAAAGGGACCACGGTACCGTCTCCTCA
002	p126w113		<i>IGHV</i>	GAGGTGAAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTGAGAGTCTCCTGTGCAGTCTCTGGATTACGTTTGAAGAA TATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGGTATTAGTTACAATAGTGGTAGCATAGGCTATGCGGAC TCCGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAGAAATACCTGTATCTGCAAATGAACAGTCTGAGACCTGAGGACACGGCCTTGT ATTACTGTGTA AAAAGATAGTGGCCGCTGGTACGAAGCGAGGGAGCAGCTCCAGACCTGGAGGCACTACGACTATGGTATGGACGTCTGGGGCC AAGGGACGAAGGTACATCGTCTCCTCA
002	p126w114		<i>IGHV</i>	CAGATACAGCTCCACGAGTCCGGGCCAGGACTGGTGAAGCCTTCGGAACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCCCTCAATTATT ACTACTGGAGTTGGATTCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGTATCTATACCAGTGGGAGTACCAACTACAACCCCTCCC TCAATAGTCGAGTACCATGTACAGTAGACACGTCCAAGAATCAGTTCTCCCTGACCTGAGTTCTGTGACCGCCGCGGACACGGCCGTATATTAT TGTGCGAGAG
002	p126w126		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGGTTAGTTACGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATCCACCTTCAGTAG CTACTGGATGCACTGGGTCCGCCAAGCTCCAGGGAAGGGGCTGGTGTGGGTCTCAGTATTAATAGTGTAGGGAGTAGCACAAAGTTACGCGGG CTCCGTGCAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACAGCTGTATCTGCAAATGAGCAGTCTGAGAGCCGAGGACACGGCTGT GTATTACTGTGCAAGGGGCCATCAACCCATTTGACCCGAGCTGTCCGGCTATTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCGG
002	p126w129		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCGAGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTGTT TACTACTGGAAGTGGATCCGGCAGTCCCCAGGGAAGGGACTGGAGTGGATTGCGTCTATGTATTACACTGGAATTACCAACTACAACCCCTCCC TCAAGAGTCGAGTACCATATCAGTAGACATGTCCAAGAACCAATTGTCCCTGAAGCTCAGCTCTGTGACCGCTGCGGACACGGCCGTGTATTA CTGTGCGAGAACGATGGCGATTGACCCGCATAACCGTGGCTGGCCCCCTGCGGGCTACTATTTCCGGTATGGACGTCTGGGGCCAAAGGGACCAC GGTCACCGTCTCCTCA
002	p126w135		<i>IGHV</i>	GAAGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTCAGACTCTCCTGTGTAACCTCTGGATTACATCTTTGAGAATT ATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTGGAACAGTGGTAGCCTAGACTATGCGGCCT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAAGTCCCTGTATCTGCAAATAAACAGTCTAAGAGCTGAGGACACGGCCCTATA TACTGCGCAAAGGGGAAGGAACGGTATTACTATGCATCGGGGAGAGTTGGTCTTACTATTACGGTATGGACGTCTGGGGCCAAAGGGACCAC GGTCACCGTCTCCTCA
002	p126w14		<i>IGHV</i>	GAGGTGCGGCTGGTGGAGTCTGGGGGAGGCTTAGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGTAGCCTCTGGACTCAAATTTAGGATT CACAAATTCATTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTATTATTAGTGTAGTGGTGAACCATATACTACGCAGATT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGGACTCAGTGTACCTGCAAATGAACAGTCTGAGAGCCGAGGACACGGCTGTTTA TACTGCGCGAGAGATCCCTTTCTATGATTATTGTCTTGACCAGTGGGGCCCGGGAACCTCTGGTCACCGTCTCCTCAG
002	p126w162	48	<i>IGHV</i>	CAGGTCCAGCTGGAGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCCTCGGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCACCCTCAGCCC CTATGTTGTGAGCTGGCTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGA

002	p126w163		<i>IGHV</i>	GAGGTGGAGCTGCTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTGACGGTTCTGGATACAGCTTTACCAAC TACTGGATCGCCTGGGTGCGCCAGATGCCCGCAAAGGCCTGGAGTGGATGGGGACCATCCGTCCTGGTGAATCTGATATCAGATACAGCCCCG TCCTTTGAAGGCCAGGTCACCATCTCAGCCGACAAGTCCAGCAGCACCGCCTACCTGCAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATG TATTACTGTGCGAGAGGGGAGGACTTATTACTATGGTTCGGGAAATTACCACCTTGACTATTGGGGCCAGGGAACCCTGGTCACCTTCTCCTCAG
002	p126w164	34	<i>IGHV</i>	CAGATACAGCTCCACGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAAACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCCCTCAATTATT ACTACTGGAGTTGGATTCCGGCAGCCCCGCGGAAGGGACTGGAGTGGATTGGGCGTATCTATACCAGTGGGAGTACCAACTACAACCCCTCCC TCAATAGTCGAGTCACCATGTCAATAGACACGTCCAAGAATCAGTTCTCCCTGACCCTGAATTCGTGACCGCCGCGGACACGGCCGTGTATTAT TGTGCGAGAGGATCGTTGGCTCCGGATTACTGGGGCCCCGGAAACCCTGGTCACCGTCCCCAAC
002	p126w172		<i>IGHV</i>	GAGGTGAAACTGGTAGAATCTGGGGGAGACTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCTGTGAAGGCTCTGGATTCACGTTTAGTAGT GTTTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGCTGGAGTGGGTAGCCTACATACAGCCAGATGGAAAGGAGAGAACTATGTGGAC TCTGTCAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACTCACTGTATCTGCAAATGAACAACCTGAGAGTCGAGGACACGGCCCTTTA TACTGTACGATAGGGCACTACGACCACTATTGGGGCCAGGGAACCCTGGTCACTGTCTCTCAG
002	p126w174		<i>IGHV</i>	CAGTTTCTGCAAGGCATCTGGATACGCCTTACCAGTTTCTATCTACACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAAT AATCAACCCTAGTGATGGTGCACAAAGATACGCACAGAAGTTCCAGGGCAGAGTCACCATGACCAGCGACACGTCCACGAACACAGTCTACGTG GAGCTGAGCAGCCTGAGATCTGAGGACACGGCCATATATTACTGTGCGAGAGGTGCCATCGGGAACTACAATGCCCGGGAGGCTTTGGACGTC TGGGGCCGAGGGACCACGGTCACCGTCTCCTCA
002	p126w175		<i>IGHV</i>	CAGGTCCAACTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTGACACTGTCTGTGACGCCTCTGGATTCACCTTCAGCAAC TATGTTATGCACTGGGTCCGACAGGCTCCAGGCAAGGGACTGGAATGGGTGGCTCTTGTCTCACTTGAATAAGTTATAATCAATATGTGGACTC CGTGAAGGGCCGATTACCATCTCCAGAGACAACCTCCAAGAACACAGTGTCTCTGGAATTGAACAGCCTGAGAGATGAGGACACGGCTGTCTAT TACTGTGCGAGAGAGGGGGAGACCAGTGGCCATGCTGGAAGTTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p126w176		<i>IGHV</i>	GACGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGTCCCTGAGACTCTCCTGTTACGCCTCTAGATTACCTTCAGTAATTA TGCTATGTAAGTGGTCCGCCAGGCTCCAGGGAAGGGACTGGAATATGTTTCATCTATTAGTAGTGATGGGGGTAGCACATATTACGCAGAGTCC GTGAAGGGCAGATTACCATCTCCAGAGACAATCCAAGAACACACTGTATCTTCAAATGAGGAGTCTGAGAGCTGAGGACGCGCTGTGTATTA CTGTGTGACAGATGTCTTGAGGTTACCCTATAGCACTGGCTGGAGCCCAGGGGACTTTAGTCTACTGGGGCCAGGGGAACCCGTGGTCACCGT CTCCTCAG
002	p126w177		<i>IGHV</i>	GAAGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTGAGACTCTCCTGTGCAACCTTTGGATTCACCTTTGAGAATT ATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTGGAATAGTGGTAGCCTAGACTATGCGGGCT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTCCCTGTATCTGCAAATGGACAGTCTGAGAGCTGAGGACACGGCCCTATA TACTGCGCAAAGGGGAAGGACGCTATTACTATGCATCGGGGAGAGTTGGTCGCTACTATTACGGTATGGACGTCTGGGGCCAAGGGACCAC GGTCACCGTCTCCCCA
002	p126w187		<i>IGHV</i>	CAGGTGCAGTTGGTGGAGTCTGGGGGAGGCGTGGTCCAGTCTGGGAGGTCCCTGAGACTCTCCTGTGCAACCTCTGGATTCACCTTCAGAAAC TATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTAGAGTGGGTGGCAGATTTATCATTAGATGGAAGTCATAGATACGCAGACTCCG TGAGGGGCCGATTACCATCTCCAGCGACAGTTCCAAGAACACGGTGTCTCTTCAAATGAACAGCCTGAGAAGTACGACACGGCTATTTACTA CTGCGCGAGAGCCGCGGTGTAATGGTGGCTGGTACTTTCTTAACCGAGTTCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCC TCAG
002	p126w191		<i>IGHV</i>	AAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGACGCCTCTGGATTCAGTTTTCAGTAGGGCCTGGATGACCTGGGTCCGCCAGGCTCCAGGGAA GGGACTGGAGTGGGTGGCCGAATTAATAAACAATAATGAGGGCGAGACAAGAGACTACGCTGCACCCGTGAAAGGCAGATTACCATCTCAAG AGATGACTCAAAGCCACGCTCTATCTGCAAATGAATGACCTGAAAACCGAGGACACAGCCGTGATTATTGTGCCACAGATAGTCGCTACGGTG ACGGCTCGGGAGTTTTTGATATCTGGGGCCATGGGACAAAGGTCACCGTCTCTTCAG
002	p126w193		<i>IGHV</i>	GAGGTGCAGGTAGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGACGCCTCTGGATTCACCGTCGGTAG CAACTACATGAACTGGGTCCGCCTGGCTCCAGAGAAGGGGCTGGAGTGGGTCTCAGTTATGTATAGCAGTGGTGGCACATACTACGCAGACTC CGTAAAAGGCAGATTACCATTTCCAGAGACAATTCCAAGAACACGGTGTATCTTGAATGAACAACCTAAGAGCCGAAGACACCGGAGTCTATT ACTGTGCGAGAGACGGGATACAGATACGAAGTTACTACTATTACGGTATGGATGTCTGGGGCCAGGGGACCACGGTCACCGTCTCCTCA
002	p126w21		<i>IGHV</i>	CAGGTGCAGCTGCGGGAATCGGGCCGAGACTGGTGGAGCCCTTCGGAGACCCTGTCCCTCACCTGACGCCTCTCTGGTACTCCATCTATACT TATTACTGGGCCTGGATCCGGCATCCCCCGGGAAGGGCCTAGAGTGGATTGGTTATGTCTTTTACTGGGACCAGTACTACAACCCCTCCC TCAAGAGTCGACTACCATGTCTGTTGACGCATCCAAGAACCAGGTCTCCCTGAAACTGACCTCTGCGACCGCTGCGGACACGGCCGTATATTT CTGTGCGAGA

002	p126w26		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTAGT TACTACTGGAGCTGGATCCGGAAGCCCCAGGGAAGGGACTGGAATGGATTGCGAATATCTATTACAGTGGGAGCACCACCTACAACCCCTCCC TCAAGAGTCGAGTCACCATATCAGCAGACACGTCCAAGAACCAATTCTCCCTGAAGTTGAGCTCTGTGACCGCCGCAGACACGGCCGTGTATTA CTGTGCGAGACATGGATCAGGTTCCCCCTCGTGGCTTCGGGGAGTCAATCAAACGTACGCCATGGACGTCTGGGGCCAAGGGACCACGGTCA CGTCTCCTCA
002	p126w30		<i>IGHV</i>	CAGATGCAGCCGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCCGGGCCCTCAGTAAAGGTTTCTGCAAGACATCTGAAACACCTTCACCAGT TACAATATACTGGGTGCGACTGGCCCCCGACAAGGGCTTGAGTGGCTGGGAATGATCAACCCTAGTGGTAGTACACAGTCTACGCACAG AGGTTCCACGGGAGAGTCACCATGACCAGGGACACCTCCACGAGCACAGTCTACATGGAGTTGAGCAGCCTGAGATCTGAGGACACGGCCGTA TATTACTGTGCGAGAGACGATAGGACTGATTACTATGTTGGGCCTCCTGAGTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCCCAG
002	p126w44		<i>IGHV</i>	TTGTGAAGGCTCTGGATTACGTTTATGATGTTTGGATGAGTTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGCCTACATACA GCCAGATGGAAGGAGAGAAAATATGTGACTCTGTCAAGGCGGATTACCATCTCCAGAGACAATGCCAAGAACTCACTGTATCTGCAAATG AACAACCTGAGAGTCGAGGACACGGCCCTTTATTACTGTACGATAGGGCACTACGACCACTATTGGGGCCAGGGAACCCTGGTCACTGTCTCT CAG
002	p126w46		<i>IGHV</i>	CAGATGCAGCCGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCCGGGCCCTCAGTAAAGGTTTCTGCAAGACATCTGAAACACCTTCACCAGT ACAATATACTGGGTGCGACTGGCCCCCGACAAGGGCTTGAGTGGCTGGGAATGATCAACCCTAGTGGTAGTACACAGTCTACGCACAGA GGTCCACGGGAGAGTCACCATGACCAGGGACACCTCCACGAGCACAGTCTACATGGAGTTGAGCAGCCTGAGATCTGAGGACACGGCCGTAT ATTACTGTGCGAGAGACGATAGGACTGATTACTATGTTGGGCCTCCTGAGTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCCCAG
002	p126w47		<i>IGHV</i>	GAGGTACAACCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGTCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTCTAGTGAC TATTCGATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCAACATAAAACAAGATGAGAGTGAGAAATACTATGTGGAC TCTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAATTGCTGTATTTGCAAAATGAACACCCTGAGAGTCGAGGACACGGCTGTGT ATTACTGTGCGAGATATTCGACATTACGATTTTGGAGTGGTCCAAAAGTTATTATAATGTTTTGGACGTCTGGGGCCAAGGGACCACGGTCA GTCTCCTCA
002	p126w51		<i>IGHV</i>	GAGGTACAATTGGTGGAGTCTGGGGGAGGCTGGTCCAGGCCTGGGGAGTCCCTGAGACTCTCCTGTGCAGCCTCTGGTTTTCACTTTCAGCTAC TTTGAATGCACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGCTCACATCCCTTAGTGGTTACAGTAGTCACAGTTACTATGCAGACT CAATTCAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTTTTGTATCTGGAGATGAATAGCCTGAGAGTCGACGACACGGCTGTGTA TTATTGTGCGAGAGAATCTAGATACAGTAATTACGACTTTTACTACTATCCTATGGACGTCTGGGGCCAAGGGACCACGGTTAGCGTCTCCTCA
002	p126w55		<i>IGHV</i>	CAGGCGCAGCTGCAGGAGTCGGGCCAGGACTGGTGGAGCCTTCGGAGACCCTGTCTCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTGGT TACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGATATATCTACTACAGTGGGAGTACCGACTACAACCCCTCC CTCAAGAGTCGGGTACCATATCACTAGACATGTCCAAGAACCAGGTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCGGACACCGCCGTGTATT TCTGTGCGAGATCCCCGACTTATTGTAGTAGTACCAGTTGCTATGGCTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
002	p126w59		<i>IGHV</i>	GAGGTGAAACTGGTAGAATCTGGGGGAGACTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCTTGTGAAGGCTCTGGATTACGTTTATGATG GTTTTGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGCCTACATACAGCCAGATGGAAAGGAGAGAACTATGTGGAC TCTGTCAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACAACAACCTGAGAGTCGAGGACACGGCCCTTTA TTACTGTACGATAGGGCACTACGACCACTATTGGGGCCAGGGAACCCTGGTCACTGTCTCTCAG
002	p126w6		<i>IGHV</i>	AGCAGTTTCTACTGGAGCTGGATCCGGCAGACCCAGGGAAGGGACTGGAGTGGATTGGGTATATGTTTTACAGTGGGAGCACCACCTACAACC CCTCCCTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGTTGAGCTCTGTGACCGCTGCGGACACGGCCGT GTATTACTGTGCGAGACAATCGCCAAGTTACAAGTACGCTGATAACTACTGGTACTTCGATCTCTGGGGCCGTGGTCCCTGGTCACTGTCTCGT CAG
002	p126w62	33	<i>IGHV</i>	GACGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGTCCTGAGACTCTCCTGTTACGCCTCTAGATTACCTTCAGTAAT TATGCTATGTAAGTGGTCCGCCAGGCTCCAGGGAAGGGACTGGAATATGTTTCATCTATTAGTAGTATGGGGGTAGCACATATTACGCAGAGT CCGTGAAGGGCAGATTACCATCTCCAGAGACAATCCAAGAACAACAACAAGTATCTTCAAATGAGGAGTCTGAGAGCTGAGGACCGCCGTGTGTA TTACTGTGTGACAGATGTCTTGGGTTACCCTATAGCACTGGCTGGAGCCCAGGGGACTTTATCTACTGGGGCCAGGGAACCCTGGTCAACCGT TCCTCAG
002	p126w69		<i>IGHV</i>	CAGATGCAGCCGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCCGGGCCCTCAGTAAAGGTTTCTGCAAGACATCTGAAACACCTTCACCAGT TACAATATACTGGGTGCGACTGGCCCCCGACAAGGGCTTGAGTGGCTGGGAATGATCAACCCTAGTGGTAGTACACAGTCTACGCACAG AGGTTCCACGGGAGAGTCACCATGACCAGGGACACCTCCACGAGCACAGTCTACATGGAGTTGAGCAGCCTGAGATCTGAGGACACGGCCGTA TATTACTGTGCGAGAGACGATAGGACTGATTACTATGTTGGGCCTCCTGAGTCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCCCAG

002	p126w7		<i>IGHV</i>	CAGCCTCTAGATTCACCTTCAGTAATTATGCTATGTACTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAATATGTTTCATCTATTAGTAGTGAT GGGGGTAGCACATATTACGCAGAGTCCGTGAAGGGCAGATTACCATCTCCAGAGACAATCCAAGAACACACTGTATCTTCAAATGAGGAGTCT GAGAGCTGAGGACGCCGCTGTGTATTACTGTGTGACAGATGTCTTGAGGTTACCCTATAGCACTGGCTGGAGCCCAGGGGACTTTATCTACTGG GGCCAGGGAACCCGTGGTCACCGTCTCCTCAG
002	p126w81	59	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACTTGCAGTGTCTCTAATGGCTCCATGACTAATT ATTATTGGACATGGGTCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGATATGTCTATTCCAGTGGGAGCACAACACTACAACCCCTCCCT CAAGAGTCGGGTCAACCATTACAGTAGACACGTCCAAGAATCACTTCTCCCTCAACCTGAACTCTGTGACCGCTGCGGACACGGCCGTGATTAC TGTGCGAGAGGGACGCTGCTTCGGGAGGCTAAGTACTGGGGCCAGGGAACCCCTGGTCACAGTCTCGTCA
002	p126w82		<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAGGGTTTCTGCAAGGCATCTGAAACATCTTCAGCAGC TACTATGTGAACTGGGTACGACACGCCCTGGACAAGGGCTTGAGTGGATGGGAGTAAATCAATCCTAGCGGTGGTAGCGCAAGCTACGCACAG AAGTTCAGGGCAGAGTCACCATGACCAGGGACACGTCCACGAGCACAGTCTACATGGACCTGAGCAGCCTGAGATCTGAGGACACGGCCGTA TATTACTGTGCGAGA
002	p126w83		<i>IGHV</i>	GAGGTGCAGGTGGTAGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGTCCCTGACACTCTCCTGTGCAGTCTCTGGATTACCTCCAGTGGTT ATTGGATGAGTTGGTCCGCCAGGCTGCAGGGAAGGGGCTGGAGTGGGTGGCCGATATAAATCAAGATGGAAATGAGAAGTGGCATGTGGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAATTCAGTGTATTTGGAAATGAACAGCCTGAGAGTCGAGGACACGGCCGTATA TTATTGCACAAGACTCGACTATGATACTAGTGGTTATTACTGGGAGCGCCGCTACCACGGTATGGACGTCTGGGGCCATGGGACCACGGTCACC GTCTCCTCA
002	p126w93		<i>IGHV</i>	GTACTIONTACTGGAAGTGGATCCGGCAGTCCCCAGGGAAGGGACTAGAATTTATTGCGAATATCTATTACAGGGGGACCACCAACTACAACCCC TCCCTAAAGAGTCGAGTCCATATTAAGTTGACATGTCCAAGAACGAGTTCCTCCCTGAAACTGAGCTCTGTGACCGCTGCGGACACGGCCGTCT ATTACTGTGCGAGAGCGATGGGGATTGACCAATATGGCAGTGGCTGGCCCCCTGCGGGCTACTACTACGGTATGGACGTCTGGGGCCAAGGGA CCACGGTACCGTCTCCTCA
002	p126w97		<i>IGHV</i>	CAGGTGCAACTGGTGCAGTCTGGGGCTGAGATGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGATACACCTCAGCGAC TATTTTTTGCAGTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGA
002	p127w159		<i>IGHV</i>	GAGGAGCAGTTGGTGCAGTCTGGAGGAGAGGTGAAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGCTTCTAGATATAAATACATCGCTT GGGTGCGCCAGAAGCCCGGAAAGGCCTGGAGTGGATGGGATTCATCTATAATGACGGCACTCATATCACATACAGTCCGTCTTCCAAGGCC AGGTCACCTTCTCAGCCGACAAATCCATCACCACCGCCTATTTGCAGTGGAGTAGCCTGAGGACCTCGGACACCGCCATGTATTACTGTGCGAC ACCTCGTAGTGGCTACGGAGTCCCTGACTTTGCCATTTGGGGCCAGGGATCCCTGGTCACCGTCTCCTCAG
002	p128w20		<i>IGHV</i>	CGTGGTCCAGCCTGGGACGTCCCTGAGACTGTCTGTGCAGCCTCTGGATTACCTTCAGTCGCCATGGCTTCCACTGGGTCCGCCAGGCTCC AGGCAAGGGGCTAGAGTGGGTGACAACAATTTGGCAAAATGGAATTAATAAATTTACGCAGACTCCGTGAAGGGCCGATTACCTTTTCCAGAG ACAACCTCAACAATATGTTGTATCTGCAGATGAATAGCCTGAGAGTTCAGCAGACGGCTATTTATTACTGTGTGAGAGACGATGATCGTAGTGGTT ATTACCCCTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
002	p126w203	37	<i>IGHV</i>	CAGATACCTTGAAGGAGTCTGGTCCACTACTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGGTCTCACTCAGCAGTC CTGGAGAGGGTGTGGCCTGGATTCGTACGCCCCAGGAAGACCCTGGAGTGGCTCGCACTCATTATGGGAATGGTGAACGTCGTACAGCCCA TTTTTGGAGAGCAGGCTCACCATCACCAAGGACAGTACGAAGAAGCAGGTGGTCCCTACAATGACCACCATGGACCCTCTGGACACAGCCACAT ATTTCTGTGCCGATATAGTTACGGACTCTCGCTGGGCTTCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
002	p125w191	32	<i>IGHV</i>	GAGGTGAAACTGGTGAATCTGGGGGAGACTTGGTCCAGCCGGGGGGTCCCTGAGACTCTTGTGAAGGCTCTGGATTACAGTTTATAGT GTTTGGATGAGTTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGCCTACATACAGCCAGATGGAAAGGAGAGAACTATGTGGAC TCTGTCAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACTCACTGTATCTGCAAAATGAACAACCTGAGAGTCGAGGACACGGCCCTTTA TACTGTACGATAGGGCACTACGACCACTATTGGGGCCAGGGAACCCCTGGTCACTGTCTCTCAG
002	p125w100	58	<i>IGLV</i>	TCCTATGAACTGACTCAGCCACTCTCAGTGTGAGTGGCCCTGGGACAGACGGCCAGGATTACCTGTGAAAGAAACAACATTGGAAGTAAAAATGT GCACTGGTACCAGCAGAAGCCAGGCCAGGCCCTGTGCTGGTCACTATAGGAATACCAACCGGCCCTCTGGGATCCCTGAACGATTCTCTGG CTCCAACTCGGGGAACACGGCCACCCTGACCATCAGCAGAGCCCAAGCCGGGGATGAGGCTGACTATTACTGTGAGGTGTGGGACAGCACCAC TGCAAGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCAG
002	p125w104		<i>IGLV</i>	GAAATTGTGTTGACACAGTCTCCAGTCAACCTGTCTTTGTCTCCAGGGGAACAGCCTCCCTCTCCTGCAGGGCCAGTCAGAGTGTTCGCAGCT CCTTGGCCTGGTACCAACACAGACCTGGCCAGCCTCCAGACTCCTCATCTATGATGCATCCAACAGGGCCACTGGCATCCAGCCAGGTTTCA TGGCACTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTTGACCCTGAAGATTTGACAGTCTATTACTGTGAGCAGCGTTACAACCTGGC CTCCCTACACTTTTGGCCAGGGACCAAGGTGGAGATCAAA
002	p125w109		<i>IGLV</i>	CAGGTTGTGCTGACTCAGTCGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAAGCTCACCTGCACTCTGAGCAGTGGGCACAGGACCTAC GCCATCGCATGGCATCAGCAGCGGTACAGACAAAGGCCCCCGATTCTTGATGACAGTTAATAGTGTGGCAGCCACATCAAGGGGGACGGCATC CCTGATCGGTTCTCAGGCTCCAGTTCTGGGACTGAGCGTACCTCACCATCTCCAGTCTCCAGTCTGAAGATGAGGCTGACTATTACTGTGAGAG TTGGCGTCTGGCATTGAGCTTTCGGCGGAGGGACCAAGTTGACCGTCTCAG

002	p125w112	46	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTAGTAGTG ATAACTTAGCCTGGTACCAGCAGAAACCTGGCCAGCCTCCCAGGCTCCTCATCTATGGTGCATCCACAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGAACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTCCGAGTTTATCACTGTCAGCAGTATGGTAGC TCACCGTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
002	p125w113		IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACATTGGTTATT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCAACATCATCATTTTATGATGTCAATAATCGGCCCTCAGGGGTTTCTGATCGCTT CTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCACCTCATATAACAAC AGCGACAATATCGTACTGTTCCGGCGGAGGGACCGAGCTGACCGTCCCTAC
002	p125w114		IGLV	ATACTTAATGATAATTAATAAATGATGGCAGTCAAAAACGGGGGACGGCATCCCTGATCGCTTCTCAGGCTCCAGCTCTGGGGCTGAGCGCTAC CTCATCATCGCCAGCCTCCAGTCTGAAGATGAGGCTGACTTACTGTGACACCTGGGGCACTGGCGTCGGGGTATTCGGCGGAGGGACCAAG GTGACCGTCCCTGA
002	p125w119		IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCGCCA CCTACTTAGCCTGGTACCAGCAGAGACTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCAAACAGGGCCCCCTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCACCAGACTGGAGCCTGAAGATTTTGCAGTTTATTCTGTCAACAGTATGTTAGTT CTCTCACTTTCCGGCGGAGGGACCAAGGTGGACATCAAAC
002	p125w126		IGLV	GAAATAGTGATGACGCAGTCTCCAGGCACCCTGTCTGTGTCGCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTGAGAGTGTTAGCACC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTACATCCATCAGGACCACTGGCATCCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCACCAGACTGCAGTCTGAAGATTTTGCAGTTTATTACTGTGACAGTATAATAACTGG CCTCCGATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC
002	p125w136	44	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCGCCA CCTACTTAGCCTGGTACCAGCAGAGACTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCAAACAGGGCCCCCTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCACCAGACTGGAGCCTGAAGATTTTGCAGTTTATTCTGTCAACAGTATGTTAGT TCTCTCACATTCGGCGGAGGGACCAAGGTGGACATCAAAC
002	p125w14	27	IGLV	GAAGTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGTCAACCCTCTCTTGTAGGGCCAGTCAGAGTGTTACCAGTA GTAACCTTAGCCTGGTACCAGCAGAAACCTGGCCAGACTCCCAGGCTCCTCATTTTCTGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACGAATATGCTAACT CACCCGTCACTTTCCGGCGGAGGGACCAAGCTGGAGATCAAAC
002	p125w143		IGLV	CAGTCTGCCCTGACTCAGCCAGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCAACAGTGACGTTGGTCGTT ATAATTATGTCTCCTGGTACCAACAACACCCAGGCCAAAGGCCCAAAGTCATTATTTATGAGGTGAGTAATCGGCCCTCTGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA CCAGCACCTCCGTCTGTTTTCCGGCGGAGGGACGAAGGTGACCTCGAAG
002	p125w159		IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCATCAGTGACGTTGGAAGTT ATAACTATGTCTCCTGGTACCAACACCACCCAGGCCAAAGCCCCAACTCATCATTTTATGATGTGACTACTCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGC
002	p125w162		IGLV	GAAGTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGTCAACCCTCTCTTGTAGGGCCAGTCAGAGTGTTACCAGTA GTAACCTTAGCCTGGTACCAGCAGAAACCTGGCCAGACTCCCAGGCTCCTCATTTTCTGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACGAATATGCTAACT CACCCGTCACTTTCCGGCGGAGGGACCAAGCTGGAGATCAAAC
002	p125w163	31	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCATCAGTGACGTTGGAAGTT ATAACTATGTCTCCTGGTACCAACACCACCCAGGCCAAAGCCCCAACATCATCATTTTATGATGTGACTACTCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCATCACGGCCTCCCTGACCATCTCCGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATTCAGG CACCAGCAGTCCCTCCCTATTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
002	p125w167		IGLV	CAGGTTGTGCTGACTCAATCGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAAGCTCACCTGCACTCTGAGCAGTGGGCACAGAACTAC GCCGTCGCATGGCATCAGCAGCAGTCAGAGAAGGGCCCCGATTCTTGATGACAGTTAATAGTGATGGC
002	p125w17	35	IGLV	GACATCCAGATGACCCAGTCTCCATCCCTGTCTGCATCTGTAGGACAGAGTCACCATCACTTGGCCGGCAAGTCAGAGCATTACCACCT ATTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCCAACTCCTGATCTATGCTGCATCCAAATTTGCAAAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAGCCTGAAGATTTTGAACCTTACCACTGTCAACAGAGTTACAGTATTTT ATCACTTTCCGGCCCTGGGACCAAAAGTGATATCAAAC
002	p125w172		IGLV	CAGTCTGTGTTGAGTCAGCCACGCTCAGTGTCTGCGACCCCGGGCGAGGGGTCACCATCTCCTGTTCTGGAGGTCCCTTCAACATTGGAATTT ATTAATGATACTGGTTCCAGCAGCTCCCAGGAACCGGCCCAACTCCTCATCTCTAGGAATAATGAGCGGCCGTGAGGGGTTCCCTGACCGATT CTCTGCTTCCAAGTCTGGACCTCAGCTCCCTGGCCATCAGTGGGCTCCGGCCGAAGATGAGGCTGAATATTTCTGTGACAGCATGGGATGAC AGTCTGAGGGCCGTAATTCGGCGGAGGGACCAACTGACCGTCCCTAC

002	p125w175		<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCGGCA CCTACTTAGCCTGGTACCAGCAGAGACCTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCAACAGGGCCCCCTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTTTATTTCTGTCCAGCACTATGTTAGT TCTCTCACTTTTCGGCGGAGGGACCAAGGTGGACATCAAAAC
002	p125w176		<i>IGLV</i>	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTGGGTTTC AACTTAGCCTGGTACCAGCAGAAACGTGGCCAGGCTCCCAGGCTCCTCATCTCTGGTACATCTACCAGGGCCACTGGTATCCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGGCGTTTATTACTGTCAACAGTATAATGACTGG CCTCAGACATTCGGCCGAGGGACCAAGGTGGAAGTCACAC
002	p125w177	57	<i>IGLV</i>	AGGGCAGAGGGTCCACATCTCCTGCAGTGGGAGCAGCTCCAACATCGGGGAGGTTATGATGTACACTGGTACCAGCAGCTTCCAGGAACAGC CCCCAACTCCTCATCTATGGTAACATCAAGCGGCCCTCAGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCC ATCACTGGGCTCCAGACTGAGGATGAGGCTGACTATTACTGCCAGTCTATGACAGCAGCCTGAGTGCCTATTATGTCTTCGGAAGTGGGACCA GGTCAACCGTCTAG
002	p125w178		<i>IGLV</i>	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGTCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAACAGTA ACTTAGCCTGGTACCAGCAGAAAGCCTGGCCAGGCTCCCAGGCTCCTCATTTTTAGTGCATCCTCCAGGGCCACTGGTATCCCAGCCAGATTTCAG TGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGACGATTTTGCAGTTTATTACTGTCCAGCAGTATAATATTTGGC CTCCGGAGCACACTTTTGGCCAGGGGACCAAGGCTGCAGATCAAAAC
002	p125w184		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCCCTTTCCTGCAGTGAAGCAACAATGATGTTGCGAGTC GTAACCTTGTCTCCTGGTACCAACAATATCCAGGCAAGCCCCAACTCATAATTTATGATGCCTATAAGCGGCCCTCAGGGTTTCCGATCGCTT CTCTGCCCTCAAGTCTGGCAAAACGGCCTCCCTGACAGTCTGACTTGAAGGCTGAGGACGAGGCATTTTATTTTGTTCGTATACACGGA CTGGCACGGTGTTCGGCGGAGGGACCAAACTGACCGTCTAG
002	p125w185		<i>IGLV</i>	GAAGGTGTGGTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGTCAAGTGGGTTATTAATAACA ACTACCTAGCCTGGTTCAGCAGAAAGCGTGGCCAGCCTCCCAGACTCCTCATCTTTGGTGCATCCAGGAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTCTGCAGTGTATTTCTGTCCAGCACTTTGGTGG CACACCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAAC
002	p125w187		<i>IGLV</i>	GACATCCAGATGGCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCCAGTCAAAGTATTAGTATTTG GTTGACCTGGTATCAGCAGAAACCAGGAAAGCCCCAACTCCTCATTCAAAAGGCGTCTATTTTAGAGAGTGGGGTCCCATCAAAGTTTATAGCG GCAGTGGATCGGGGACAGAATTCCTCTCACCATCAGCAGCCTGCAGCCTGATGATTCTGCAAGTATTATTGCAACAATATGACAATTATCCC CGACGTTCCGCCAAGGGACCAAGGTGGAATCAAAAC
002	p125w20		<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCGCCA CCTACTTAGCCTGGTACCAGCAGAGACCTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCAACAGGGCCCCCTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTTTATTTCTGTCAACAGTATGTTAGT TCTCTCACTTTTCGGCGGAGGGACCAAGGTGGACATCAAAAC
002	p125w203	47	<i>IGLV</i>	GATATTGTGATGACTCAGTCCCCACTCTCCCTGCCCGTACACCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCATA GTAATGGAACAACATTTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATTTGGTTCTAATCGGGCCTCCGGGGT CCCTGACAGTTTCACTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGATTATTACTGCATG CAAGCTCTAGAAGCCTCGCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAGC
002	p125w25		<i>IGLV</i>	GAAAATGTGTTGACGCAGTCTCCAGACACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGTAACA ACCTTTAGCCTGGTACCAGCAGAAACCTGGCCTGGCTCCCAGGCTCCTCATCTTTGGTGCATCCACCAGGGCCGCTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACAATCACCAGACTGGAGCCTGAAGATTTTGCAGTCTATTACTGTCCAGCAGTATGGTAGTT TACCTAAGACTTTTGGCCAGGGGACCAAGCTGGAGATCGAAC
002	p125w3		<i>IGLV</i>	TCTTCTGAGCTGACTCAGGACCCTACTGTGTCTGTGGCCTTGGGACAGACAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAGCTATTCTT CAAGTTGGTACCAGCAGAAGCCAGGGCAGGCCCTGTACTTGTCTTTTATGACGGAAAC
002	p125w37	28	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCGTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCCGCT GGTAAATTTGGTATCAGCAACAACCAGGGAAAGCCCCAACTCCTGATCTATACTACATCCAATTTGGAAAGTGGAGTCCCATCAAAGATTTCAGT GGCAGTGGATCTGGGACAGGTTTCACTCTCACCATCAGCAGTCTGCAGCCTGAGGATTTTGAACCTTACTACTGTCAACAGAGTTACAGTGGCC CTCCAACCTTTTGGCCAGGGGACCAAGGCTGGAGATCAAAAC
002	p125w46		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCTTCTGTAGGAGAAAGAGTCACCATCACTTGCCGGGCGAGTCACGACACTTACCTTTA TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCCTAGCCTCCTGATTTACGATGCGTCCAATTTGCGCTCAGGTGTCCACCTCGGTTTCAGTG GCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGCTGCAACATATTACTGTCCAGAAAGTATAATGCTGCCCC GTGGCGTTTCGGCCAGGGACCAAGGTGGAATCAAAAC

002	p125w47	29	IGLV	CGATACTTGATGAAAGTTAATAGTGATGGCAGCCACACTAAGGGGACGGATCCCTGATCGGTTCTCAGGCTCCAGTTCTGGGGCTGAGCGCTAC CTCACCATCTCCAGCCTCCAGTCTGAGGATGAGGCTGACTATTACTGTCAAACCTGGGCCTCTGGCATTTCAGTTTCGGCGGAGGGACCAAGTTG ACCGTCGTAG
002	p125w5	45	IGLV	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATTTGTAGGAGACAGAGTAACCATCACTTGCCGGGCCAGTCAGACTATCAGTACCTG GTTGGCCTGGTATCAGCAGAAACCGGGGAAAGCCCTAAATTCCTGATCTATAAGGCGTCAAGTTTAGTAAGTGGGGTCCCATCGAGGTTACAG GGCAGTGGATCTGGGACAGAAATCACTCTCACCATAAGCAGCCTGCAGCCTGATGATTTTGAACCTATTACTGCCAACAAATATAGTCGTTATTCC GTGACATTCGGTCAAGGGACCAAGGTGGAACCTCAAAC
002	p125w55		IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGTAGCA CCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCCATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAACAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACAGTATGAACCT CCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
002	p125w59	30	IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGTCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAACAGTA ACTTAGCCTGGTACCAGCAGAAAGCCTGGCCAGGCTCCCAGGCTCCTCATTTTTAGTGCATCCTCCAGGGCCACTGGTATCCCAGCCAGATTAG TGGCAGTGGGTCTGGGACAGAGTTACACTCACCATCAGCAGCCTGCAGTCTGACGATTTTGCAGTTTATTACTGTGACAGTATAATATTTGGC CTCCGGAGCACACTTTTGGCCAGGGGACCAGGCTGCAGATCAAAC
002	p125w62		IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCTTCTGTAGGAGAAAGAGTCCCATCACTTGCCGGGCGAGTCACGACACTTACCTTTA TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCTAGCCTCCTGATTTACGATGCGTCCAATTTGCGCTCAGGTGTCCCACCTCGGTTTCAGTG GCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGCTGCAACATATTACTGTGCAAGTATAATGCTGCCCC GTGGGCGTTTCGGCCAGGGACCAAGGTGGAATCAAAC
002	p125w7		IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCTTCTGTAGGAGAAAGAGTCCCATCACTTGCCGGGCGAGTCACGACACTTACCTTTA TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCTAGCCTCCTGATTTACGATGCGTCCAATTTGCGCTCAGGTGTCCCACCTCGGTTTCAGTG GCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGCTGCAACATATTACTGTGCAAGTATAATGCTGCCCC GTGGGCGTTTCGGCCAGGGACCAAGGTGGAATCAAAC
002	p125w8		IGLV	TTCCGGGGCAGGTTTTGCTGTACACTGGTACCAGCAGTCCAGGGACAGCCCCAAAGTCTCATCTATGGTAACACCAATCGGCCCTCAGGGG TCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTATTGCCA GTCCTATGACAGCAGCCTGAGTGGTTTCGGTATTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
002	p125w81		IGLV	TTATTATAATTTGGTCTCCTGGTACCAACAATATTCAGGCAAAGCCCCAACATCATTATTTATGATGTCATTAATCGCCCCCTCAGGGATTTCAT CGTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGCCTGAGGACGAGGCTTATTATTATTGCAGTTCATATAC AAACGGCATAAATCGTTGGGTGTTTCGGCGGGGGACCAAGCTGACCGTCCTAG
002	p125w83	60	IGLV	CAGCTTGCACTGACTCAGCCGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAAGCTCACCTGCACTCTGAGCAGTGGGCACAGCAACTAC GCCATCGCATGGCATCAGCAGCGGCCAGACAAGGGCCCTCGGTACGTGATGAAGGTTAACAGTGATGGCAGTCACTACAGGGGAGACGGGAT CCCTGATCGCTTCTCAGGCTCCAGCTTCTGGGGCTGAGCGCTACCTCACCATCTCCAGCCTCCAGTCTGAAGATGAGGCTGATTATTACTGTGAG ACCTGGGGCACTGGCATTTCGTGTGTTTCGGCGGAGGGACCAAGGTGACCGTCCTAC
002	p125w93		IGLV	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAGTACCATCTCCTGCACTGGAACCAGTAGTGATGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGTCAAAGCCCCAAACTCATCTTTATGATGTCAGTAGGCGGCCCTCAGGGTCCCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCGGGCTGAGGATGAGGCTTATTATTACTGCTGCTCATATGCAA CCAGCAACTGTGATTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
002	p126w104	36	IGLV	GACCTCGTGCTGACCCAGTCTCCAGGCTTCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAGCTGCAAGTCCAGCCAGAGTGCTTTATAC AGCTCCAATAAAGAACTACTTAACTTGGTACCAGCAGAAACCAGGACAGCCTCCCTAAGGTGCTCATTTACTGGGCATCTACCCGGAATCCGG GGTCCCTGACCGATTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAGGCTGAAGATGCGGCATTTTATTACTGT CACCCTATATTGGTGAACCCCTCTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
002	p126w112		IGLV	GAGATTGTATTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAGAGGCCACCCTCTCCTGCAGGGCCAGTCGGTATGTTAGCAGCA GCTACCTATCCTGGTACCAGCAGAAACCTGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAACAGGGCCACTGGCGTCCCAGACAGGTT TAGGGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGCAACAAATAGGTGAC TCACCTCCTTTCACTTTTCGGCCCTGGGACCAAGGTGGATCAAAG
002	p126w113		IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCGCCA CCTACTTAGCCTGGTACCAGCAGAGACTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCAACAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCACCAGACTGGAGCCTGAAGATTTTGCAGTATTACTGTCAACAGTATGTTAGTT CTCTCACTTTTCGGCGGAGGGACCAAGGTGGACATCAAAC



002	p126w114		<i>IGLV</i>	GATGTTGTGGTGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGTCTCGTATACA GTGATGGAAGCACCTACTTGAATGGTTTCAGCAGAGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTGACCGGGACTCTGGGGT CCCAGACAGATTACGCGGCAGTGGGTGAGGCAGTGTATCCACAGTAAAAATCAGTAGGGTGGAGGCTGAAGATGTTGGGATTTATTACTGCATG CAAGGTACACACTTACCTATGACGTTTCGGCCAAGGGACCAAGGTGAAAAATCAAAC
002	p126w126		<i>IGLV</i>	AAGTCAGAGCATTAGCCGCTGTTAAATTTGGTATCAGCAACAACCAGGAAAGCCCCTAAACTCCTGATCTATACTACATCCAATTTGAAAAGTG GAGTCCCATCAAGATTACGTGGCAGTGGATCTGGGACAGGTTTCACTCTCACCATCAGCAGTCTGCAGCCTGAGGATTTTGCAACTTACTACTGT CAACAGAGTTACAGTGGCCCTCAAACTTTTGGCCAGGGGACCAGGCTGGAGATCAAAC
002	p126w129		<i>IGLV</i>	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTACATA GTAATGGATAACAATAATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATTTGGGTTCTAATCGGGCCTCCGGGGT CCCTGACAGGTTACGTGGCAGTGGATCAGGCACAGATTTTACACTGAAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATG CAAGCTTACAAACCTCGGTCACTTTCGGCCGAGGGACCAAGGTGGAGATCAAAC
002	p126w135		<i>IGLV</i>	AAAGAGCCACCCTCTCTTGCAGGGTCACTCAGAGTATTAGCAGCGACTTCTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCT CATCTATGGTGCATCCAGCAGGGCCACTGGCATCTCAGATAGGTTCACTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAACAGCCTG GAGCCTGAAGATTTTGCAGTATATTACTGTACAGCAGTATGATGACTCACCCATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC
002	p126w14		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCAACCATCTCTTGTCTTGGAAAGCATCGGAACTAACACTGTGA GTTGGTACCAACAATTTCCACAAACGGCCCCAAACTCCTCATCTATGCCAATAATCAGCAGGCCCCTCAGGGTCCCAGCGATTCTCTGGCTC CAAGTCTGGCACCTCAGCTCCCTGGCCGTCACTGGGCTCCAGTCTGACGATGAGGCTGATTATTACTGTGCAGCATGGGATGACAGCCTGAAA CGTGTGATGTTCCGGCGGGGGACCAAGCTGACCGTCTCTGC
002	p126w162	48	<i>IGLV</i>	GAAATCGTGTGACACAGTCTCCAGCCACCCTGTCTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGTAGGGCCAGTCAAGTGTCAACAGCT ACTTAGCCTGGATCCAACACAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGATTTTTTCAAGAGGGCCACTGGCATTCCAGCCAGGTTCACT GGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAACCTGAAGATTCTGCAGTTTATTACTGTACACAGCGTAGCAACTTGCA TCCGTGGACGTTCCGGCCAAGGGACCAAGGTGAAATCAAGC
002	p126w163		<i>IGLV</i>	CAGTCTGTCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCAACCATCTCTTGTCTTGGAAACCAGCTCCAACATCGGAAGTA ATACTATAAATTTGGTACCAGCAACTCCCAGGCAGGCCCCCAAACTCCTCATCTATAATAATCATCAGCAGGCCCTCAGGGTCCCTGACCGATT TCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCACTCTGAGGATGAGGCTGATTATTACTGTGCAACATGGGATGACA GTCTGAATGGTCCGGTGTTCGGCGGAGGGACCAAGCTGGCCGTCTAG
002	p126w164	34	<i>IGLV</i>	GATGTTGTGGTGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGTCTCGTATACA GTGATGGAACACCTACTTGAATGGTTTCAGCAGAGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTGACCGGGACTCTGGGGT CCCAGACAGATTACGCGGCAGTGGGTGAGGCAGTGTATCCACAGTAAAAATCAGTAGGGTGGAGGCTGAAGATGTTGGGATTTATTACTGCATG CAAGGTACACACTTACCTATGACGTTTCGGCCAAGGGACCAAGGTGAAAAATCAAAC
002	p126w172		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGTCTTGTAGGAGAAAGAGTACCATCACTTGCCGGGCGAGTACAGCACTTACCTTTA TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCTAGCCTCCTGATTTACGATGCGTCCAATTTGCGCTCAGGTGTCCACCTCGGTTCACTG GCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGCTGCAACATATTACTGTGCAAGTATAATGCTGCCCC GTGGGCGTTCCGGCCAGGGACCAAGGTGAAATCAAAC
002	p126w174		<i>IGLV</i>	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGTGCCACCCTCTCCTGCAGGGCCAGTCAAGTATTAACAGTA ACTTAGCCTGGTACCAGCAGAAGCCTGGCCAGGCTCCCAGGCTCCTCATTTTTAGTGCATCCTCCAGGGCCACTGGTATCCCAGCCAGATTCACT TGGCAGTGGGTCTGGGACAGAGTTTCACTCACCATCAGCAGCCTGCAGTCTGACGATTTTGCAGTTTATTACTGTGCAAGTATAATATTGGC CTCCGGAGCACACTTTTGGCCAGGGGACCAGGCTGCAGATCAAAC
002	p126w175		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATTTGTAGGAGACAGAGTAACCATCACTTGCCGGGGCCAGTCAAGTATCAGTACCTG GTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAATTCCTGATCTATAAGGCGTCAAGTTTAGTAAGTGGGGTCCCATCGAGGTTCCAGC GGCAGTGGATCTGGGACAGAATTCATCTCACCATAAGCAGCCTGCAGCCTGATGATTTTGCAACTTATTACTGCCAACAAATATAGTCGTTATTCC GTGACATTCCGTCAAGGGACCAAGGTGAAACTCAAAC
002	p126w176		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCATCCTGTATGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGGCCAGTCAAGTGTAGCAGCT GGTTGGCCTGGTATCAGCAGAAACCAGGGAAAGTCCCTAAACTCCTCATCTATCAGGCGTCTACTTTAGAAAATGGGGTCCCATCAAGATTCACT GGCAGTGGATCTGGGACAGAATTCATCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATTACTGCCAACAAATATAATGTTTTGTGG ACGTTCCGGCCAAGGGACCAAGGTGAAATCAAAC
002	p126w177		<i>IGLV</i>	GAAATTTGTTGACACAGTCTCCAGGCACCCTGTCTTGTCTCCAGGGGAAAGAGCCACCCTCTTGCAGGGTCACTCAGAGTGTAGCAGCG ACTTCTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAACAGCCTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGCAAGTATGATGACT CACCCATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC

002	p126w187	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTCACCATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGC AGGTTATGATGTACACTGGTACCAGCAGCTTCCAGGAACAGCCCCC
002	p126w191	IGLV	CAGCTTGCACTGACTCAGCCGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAAGCTCACCTGCACTCTGAGCAGTGGGCACAGCAACTAC GCCATCGCATGGCATCAGCAGCGGCCAGACAAGGGCCCTCGGTACGTGATGAAGGTTAACAGTGATGGCAGTCACTACAGGGGAGACGGGAT CCCTGATCGCTTCTCAGGCTCCAGCTCTGGGGCTGAGCGCTACCTCACCATCTCCAGCCTCCAGTCTGAAGATGAGGCTGATTACTGTCTCAG ACCTGGGGCACTGGCATTCTGTGTTCGGCGGAGGGACCAAGGTGACCGTCTAC
002	p126w193	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTTCCAGGCGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTAGTAACA ACTACTTAGCCTGGTTCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCGTCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTAATCATCAGGAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCAGTATGGTGG CTCACGGTGGACGTTTCGGCCAAGGGACCAAGGTAGAAATCAAAC
002	p126w21	IGLV	TTCCTGCAGGTCACCTCAGAGCCTCCTGCATAGTAAATGGATACAACATATTTGGATTGGTATGTGCAGAGGGCCGGGGCAGTCTCCACAGCTCCTG ATCTTTTTGGCTTCTTTTTCGGGCTCCGGGGTCCCAGACAGGTTTCACTGGCAGTGGGTGAGGCACAGATTTTACATTGACAATCAGCAGAGTGG AGCCTGAGGATGTTGGGGTTTACTACTGCATGCAAGCTCTACAACTTGGACGTTTCGGCCAGGGGACCAAGGTGGAATCAAAC
002	p126w26	IGLV	CAGACTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGCTTCCACCCTGGAGCAGTCAACAGT GGTGACTATCCAAACTGGTTCAGCAGAAACCTGGACAAGCACCCAGGGCAGTGAATTTATAGTACAAGCAACAAATATTCCTGGACCCCTGCCC GGTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACACTGTGAGGTGTGCAGCCTGAGGACGAGGCTGAGTATTACTGCCTGCTCTACTA TGGTGGTGCTTGGGTGTTTCGGCGGAGGGACCAAGGTGACCGTCCAG
002	p126w30	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGTCTCCTGCAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGAATTTGGGAGTT ACAATCTTGCTCCTGGTACCAACACCACCCAGGCAAAGCCCCAACATCATGATTTATGAGGTCACTAAGCGGCCCTCAGACATTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGGAGG AAGTAGCACCTGGTGTTCGGCGGAGGGACCAAGTTGACCGTCCCTGG
002	p126w44	IGLV	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCCAGTCAGAGTGTTAGCAGCT GGTTGGCCCTGGTATCAGCAGAAACCAGGGAAAGTCCCTAAACTCCTCATCTATCAGGCGTCTACTTTAGAAAATGGGGTCCCATCAAGATTCAGC GGCAGTGGATCTGGGACAGAATTCATTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATTACTGCCAACATTATAATGTTTTGTGG ACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
002	p126w46	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGAATTTGGGAGTT ACAATCTTGCTCCTGGTACCAACACCACCCAGGCAAAGCCCCAACATCATGATTTATGAGGTCACTAAGCGGCCCTCAGACATTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGGAG GAAGTAGCACCTGGTGTTCGGCGGAGGGACCAAGTTGACCGTCCCTGG
002	p126w47	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGACACAGAATCACCATCACTTGTTCGGGCGAGTCAGGGTGTTAACTG GTTAGCCTGGTATCACCAGCGACAGAGAAGCCCCCTAAGTCCCTCATCTATGGTGCATCCAAATTTGCAA
002	p126w51	IGLV	GAACCTGTGTTGACGCAGTCTCCCGGCACCCTGTCTTGTCTCCAGGGGAGAGGCCACACTCTCCTGCAGGGCCAGTCAGAGTGTTGGCAAC AACTACCTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGACAGAT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTGTGCAGTGTATTACTGTCAGCAATATGGTGG CTCTCCTAAGACGTTTGGCCAAGGGACCAAGGTGGACATCAAAC
002	p126w55	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGACAGAGGGTCACCATCTCTTGTCTGGAAGCAGCTCCAACATCGGAAGTA ATTATATATTTGGTACCAGCACTCCAGGAATGGCCCCAAACTCCTCATCTATAAGATTGATCAGCGGCCCTCAGGGGTCCCTGACCGATTCT CTGGCTCCAAGTCTGGCACCTCAGGCTCCCTGGCCATCAGTGGGCTCCGGTCCGACGATGAGGCTAATTATTCTGTGCAGCATGGGATGACA GCCTGCGTGGTTGGGTGTTTCGGCGGAGGGACCAAGGTGACCGTCCCTAG
002	p126w59	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCTTCTGTAGGAGAAAGAGTCACCATCACTTGCCGGGGCAGTCACGACACTTACCTTTA TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCTAGCCTCCTGATTTACGATGCGTCCAATTTGCGCTCAGGTGTCCACCTCGGTTTCAGTG GCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGCTGCAACATATTACTGTCAGAAGTATAATGCTGCCCC GTGGGCGTTTCGGCCCAGGGACCAAGGTGGAATCAAAC
002	p126w6	IGLV	GAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTGACAGCAGCTTCTTAGCCTGGTACCAACAGAAACCTGGCCAGGCTCCCAGACTCTTCAT CTATGGTGCATCCAACAGGGCCACTGGCATCCCAGACAGGTTTCACTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGA GCCTGAAGATTTTGCAGTGTATTACTGTCAGCAGTATGGTAGCTCACCTACTTTTGGCCTGGGGACCAGGCTGGACATCAAAC
002	p126w62	IGLV	GACATCCAGATGACCCAGTCTCCTTCCATCCTGTATGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGGCCAGTCAGAGTGTTAGCAGCT GGTTGGCCCTGGTATCAGCAGAAACCAGGGAAAGTCCCTAAACTCCTCATCTATCAGGCGTCTACTTTAGAAAATGGGGTCCCATCAAGATTCAGC GGCAGTGGATCTGGGACAGAATTCATTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATTACTGCCAACATTATAATGTTTTGTGG ACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC

002	p126w69		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGATATTGGGAGTT ACAATCTTGTCTCCTGGTACCAACACCACCCAGGCAAAGCCCAACATCATGATTTATGAGGTCACTAAGCGGCCCTCAGACATTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGGAGG AAGTAGCACCTGGTGTTCGGCGGAGGGACCAAGTTGACCGTCTCTGG
002	p126w7		<i>IGLV</i>	CGACACTTACCTTTATTTAGCCTGGTATCAGCAGAAACCAGGAAAGTTCTAGCCTCCTGATTTACGATGCGTCCAATTTGCGCTCAGGTGTCC CACCTCGGTTCACTGGCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGCTGCAACATATTACTGTGAGAA GTATAATGCTGCCCGTGGGCGTTGCGCCACAGGGACCAAGGTGGAATCAAAC
002	p126w81	59	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAACAGTGACATTGGTCTGTT ATAACTATGTCTCCTGGTACCAACAACACCACCCAGGCAAAGGCCCAAGTCAATTTTATGAAGTCAGTAATCGGCCCTCTGGGGTTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGTTTCATACACAA CGAGCACCTCCGTGTTTTCGGCGGAGGGACCAAGGTGACCGTCTCTGG
002	p126w82		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTGCGGGCAGTCAGGACATTAGCAATC ATTTAACCTGGCTTCAGCAGAAAGCAGGGAAAGCCCTAAGTCCCTGATTTATGCTGCATCCAGTTTG
002	p126w83		<i>IGLV</i>	TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCCTGGGACAGACAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAGTTATTATG CAAACCTGGTACCAGCAGAAGGCAGGACAGGCCCTATACTTGTCTATGATTACAACAAGCGGCCCTCAGGGATCCCAGACCGATTCTCTGG CTCCATGTCAGGAAACACAGCTTCTTGACCATTACTGGGGCTCAGGCGGACAGATGAGGCTGACTATTACTGTGATTCCCGGGACAAAAGTGGT AACCATCTGGTCTTCGGCGGAGGGACGAAGGTGACCGTCTCTAG
002	p126w93		<i>IGLV</i>	CCCTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGTCTCGTATACAGTATGGAAGCACCTACTTGAATTGTTTTAGCAGAGGCC AGGCCAATCTCAAGGCGCCTAATTTATAAGGTTTTCTGACCGGACTCTGGGGTCCCAGACAGATTTCAGCGGCAGTGGGTGAGGCAGTATTTC ACACTGAAAATCAGTAGGGTGGAGGCTGAAGATGTTGGGATTTACTGTCATGCAAGGTACACACTTACCTATGACGTTCCGGCCAAAGGGACCAA GGTGAAAATCAAAC
002	p126w97		<i>IGLV</i>	TCCAACTTCGGGGCAGGTTTTGGTGTACACTGGTACCAGCAACTTCCAGGAACAGCCCCAAACTCCTCATCTATGATAACACCAATCGGCCCTC AGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCATGGGCTCCAGGCTGAGGATGAGGCTGATTATTAC TGCCAAATCGTATGACAGCACCTGAGAGGTTCCGTTATTCGGCGGAGGGACCCAGCTGACCGTCTCTAG
002	p127w159		<i>IGLV</i>	CCATCAGTGACGTTGGTACTTATAACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAAACTCATGATTTATGATGTTAGTACTCGG CCCTCAGGGTTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATT ATTACTGCAGCTCATATACTAGTAGCGGTCCCTCCCTTTTTCGGCGGAGGGACCAAGCTGACCGTCTCTAG
002	p128w20		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGTCT ATGACTATGTCTCCTGGTACCAACAACACCAGGCAAAGCCCAAGAGTCATATTTATGAGGTGAGTAATCGGCCCTCAGGAATTTCTAATCGC TTCTCTGGC
002	p126w203	37	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGACACAGAATCACCATCACTTGTGCGGGCAGTCAGGGGTGTTAAACACTG GTTAGCCTGGTATCACCAGCGACCAGAGAAAGCCCTAAGTCCCTCATCTATGGTGCATCCAATTTGCAAGGTGGGGTCCCATCTAGATTTCAGC GCCAGTGGATCTGGGACAGATTTCACTCTCACCATCACCAGTCTGCAGCCTGAAGATTTTGAAGTATTACTGCCAACATAATAGTCGTTTCCCC TTTACTTTCCGGCCCTGGGACCAAAGTGGACATCAAAC
002	p125w191	32	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCTTCTGTAGGAGAAAGAGTCACCATCACTTGCAGGGCAGTCAGGACACTTACCTTTA TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCTAGCCTCCTGATTTACGATGCGTCCAATTTGCGCTCAGGTGTCCACCTCGGTTCACTG GCAGTGGATCTGGGACAGACTTCAGTCTCACCATCAGCACCTGCAGCCTGAAGATGCTGCAACATATTACTGTGCAAGATAATGCTGCCCC GTGGCGTTCCGGCCAGGGACCAAGGTGGAATCAAAC
005	p109w100		<i>IGHV</i>	GAGGTGCACCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCAGGGCGGTCCCTGAGACTCTCCTGTACAGGTTCTGGATTACCTTCCCTGAT TATTCTATGAGCTGGGTCGCCAGGCTCCAGGGAAGGGACTGGAGTGGGTAGGTTTCATTGGAGCCAAAGCTTATGGTGGGACAACCTGGATAC GCCGCGTCTGTAAAGGCAGATTCACAATTTGAGAGATGATTCCAATGGTATCGCCCATCTGCAAATGAACAGCCTGAAAACCGACGACACAG GCATTTACTGTACTAGAGATAGTGCCTGGAACGAGCCTGACTACTGGGGCCAGGGAACCCCTGGTCAACCGTCTCTCTAG
005	p109w107		<i>IGHV</i>	CAGGTGCAGCTACACCAGTGGGGCGGGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTATGGTGGGTCTTCACTGGT CACTTCTGGACCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGGAAATCAATCAAAGTGAAGCACCATAATATCCGTTCC CTCAAGAGTCGAGTCACCATATCAGCGGACACGTCCATGAACCAGTTCTCCCTGAGGCTGAGCTCTGTGACCGCCGCGGACACGGCTGTTTACT ACTGTGCCAGA
005	p109w108		<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTAATAAAGCCTGGGGGTCTCTCAGACTCTCCTGTGCAGCCTCTGGATTCAATTTCAAGAAC GCCTGGATGACGTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAGAAGGCAATCTGACGGTGGGACAGCAGACTA CGCTGCACCCGTGAAAGGCAGACTCCATCTCAAGAGATGACTCAAGAAACACGGTCTATCTTCAAATGAATAGCCTGAAAACCGAGGACACA GCCGTGATTATTGTACGACCGCCCTACTTCCCTTGGAGTGGTGTGGAGACCACTGGGGCCAGGGAACCCCTGGTCAACCGTCTCTCTAG

005	p109w109		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCTGAGACTCTCCTGTGCAGCCTCTGGATTACGCTTTAAGAAT TATGCCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGTCTGGAGTGGGTCTCAGGTGTTAGTCTTAATGGCTATAGTACACTCTACGCAGACT CTGTGAAGGGCCGGTTCCACCATTTCCAGAGACAATTACGAGAACACGCTGTACCTGCAAATCAACAGCCTGAGAGCCGAGGACACGGCCCTATA TACTGTGCGAGAGGCCCTTCTGATCTTTGGAGTGCTTATTATCTTGTACCCGACTTTGACTACTGGGGCCAGGGGACCCTGGTCACCGTCTCCT CAC
005	p109w111	62	<i>IGHV</i>	CAGGTTACAGCTGGTGCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACACCTTTAACAGC CATGGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGATGGGATGGATCAGCGCTTACAATGGGAACACAACTATGGACAG AAGTTCGGGGCAGAGTCACCATGACCACAGACACATCCACGAGAACAGTCTACATGGAGTTGAGGAGCCTGAGATCTGACGACACGGCCGTA TACTGTGCGAGAATGGAGTATTGTAGTGGTGGGTGCTTCGATTACTATGATAGTAGTGGGCAACTGGACTACTGGGGCCAGGGAACCCCTGG TCACCGTCTCCTCAG
005	p109w115		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCCCGGTCAAGCCTGGGGAGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTATCTTCAGTCAC TATGCCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTGTTCCATCAGTAGTGATAGTAGTTACATACAGTACGCAGACT CTGTGAAGGGGCGATTCTCCATCTCCAGAGACAACGCCAAGAACTCACTGGATCTCAAATGAACAGCCTGACAACCGAGGACACGGCTGTTTA TTATTGTGTGAGAGAGCCCGACTCTGCGAACCAGGGGAGTTATGGAGTTATTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCCG
005	p109w118		<i>IGHV</i>	CAAGCGCTGTTAGTTCAGTCTGGGACTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGGCCTCAGGTTACGCCTTCAACA ACTTTATCAGTTGGGTTGACAGGCCCTGGGCGAGGCCCTGAGTGGATGGGAGTGATCACCCTTTACGCGGTACAACAACTACGCCTCAGAA GTTCCAGGGCAGGGTCAACCCTGACCAGGGACAGTCCACAAAAACAGTCTATATGGAATTGACCAGCCTGAGATCTGAGGACACGGCTGTCTAT CACTGTACAAGAGAGCCACCCGAAGCTATTACCCACGTTACATGAGCGTCTGGGGCACAGGGACCACGGTCACCGTCTCATCA
005	p109w126		<i>IGHV</i>	GAGGTGCACCTGCAGGAGTCTGGGGCCAGGGCTGGTGAAGCCCTCGGAGACCCTGTCCCTCACCTGCCTGTCTCTGGCTACTCCATCGGCAGT GGTTACTACTGGGGCTGGGTCCGGCAGTCCCAGGGAAGGGCCTGGAATGGATTGGGAGTATCCATGATAGTTGGAGCACCTACCACAACCCG TCCCTCAAGAGTGCAGTCACCATCTCAGTAGACGCGTGAAGAACCAAATCTCCCTGAGGCTGAACTCTGTGACCGCCGACAGACACGGCCGTGT ATTATTGTGCGAGAGATCCCTTTTGTGCTTATGTAACCTGCAACATGCGTGACGACTGGTTCGCTCCTGGGGCCAGGGAATCCTGGTCACCGT CTCCTCGG
005	p109w127		<i>IGHV</i>	TTCCTGCAAGGCCTCTGGATACGTCTTACGGCCTTTCTATTCACTGGGTGCGCCAGGCCCCCGGACAAGGCCTGAGTGGCTGGGATCGAT CGACACTGGCAATGGTAAATCAAAATATTCAGAGAAGTCCAGGGCAGACTCACCTTTACCAGGGACACATCCGCGACTACGGCCTATATGGAG CTGACCAGCCTAAAATCTGAAGACACGGCTGTCTATTACTGTGCGTCAAGAGGGGATTGTAGCGGCACCACCTGTTATAGCGCCGACAGGTAC TACTACTACATGGACTTCTGGGGCAGAGGGACCACGGTCACCGTCTCCTCA
005	p109w130		<i>IGHV</i>	CAGGTTACCTGGTGCAGTCTGGACCTGAGGTGAAGGAGCCTGGGGCCTCACTGAAGGTCTCCTGCAAGGCCTTTGGTTACACCTTTAACAGCC ATGGCATCACCTGGGTGCGACAGGCCCTGGACAGGGGTTTGGAGTGGATGGGATGGATCAGCGCTTACAATGGGAACACAACTACGGACAGA AATTCCAGGGCAGAGTCACCATGACCATAGAAACATCCGCGAGCACAGCTTACATGGAGTTGAAGAGCCTGAGATCTGACGACACGGCCATATA TACTGTGCGAGAATGAAGTTCTGTAGTGGTGGTTGCTTCGATTACTATGGTAATAGTGGCGACCTGGACTACTGGGGCCAGGGAACGCTGGAT CGACCGTCTCCTC
005	p109w135		<i>IGHV</i>	CAGGTGCAACTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGAAGCCTCTGGCTTCACTTTACAGTAGC TATAATATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGACTAGAGTGGGTGGCATTATACCATATGATGAAACTGATGAAAAGTACGCAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAATTTCAAGAGCACTGTATACCTGCAAATGAACAGCCTGAAAAGAGAGGACACGGCTGTCTA TACTGTTGAGTGAATTTGGATTAACACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
005	p109w136		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGAGGAGGCTTGTATCCAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGGTTACCGTCTCAGAAC CAACTACATGAGCTGGGTCCGCCAGGCTCCAGGTAAGGGGCTGGAGTGGGTCTCAGTTATTTACAGCGCTGGTAAACATACTACGCAGACTCC GTTGAGGGCCGATTACCATCTCCAGAGACGCTTCCAAAGAAATACGGTGTATCTTCAAATGAACAGTCTGAGAGCCGAGGACACGGCCCTGTATT ACTGTGCGACTTTGTATCATGATTACGTTTGGGGGAGTCCCCCTTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
005	p109w143		<i>IGHV</i>	GTGGGTCCGCCAGGGTCCAGGCGAGGGCTGGAGTGGGTGGCAGTTATTTGGTTTGTATGGAAGTAAAAGATATTATGGAGACTCCGTGAAGGG GCGATTACCATCTCCAGAGACAATTTCAAGAACATGCTATATCTGGAAATGAACAGTCTGAGAGTGCAGGACACGGCTGTCTATTACTGTGCGA GAGTCTCATTACCTTATTACAATTTGTGGAGTGGCACATTTGCCTTTGATGACTGGGGTCCAAGGGACAGTGGTCACCGTGTCTTCA
005	p109w146		<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTCTGACAGCCGGGGGGTCCCTGAGACTCTCCTGTGTTGCCTCTGGATTATTAGAGACTAT GCCATGAGTTGGGTCCGCCAGGCTCCAGGAAAGGGGCTGGAGTGGCTCTCAAGTATAAGTGGTAGCGGTAATACAAAGTACGCAGACTCCGTG AAGGGCCAGTTACCATCTCCAGAGACAATTTCAAGAAAATGTTGTATCTGCAGATGAACAGCCTGAGAAGTGAAGACACGGCCACATATTACTG TGCGACAGGATCTAAACCCTTACTCCTTCTACTACGCTTTGGATGTCTGGGGCCTAGGGACCACGGTCACCGTCTCCTCA

005	p109w15	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCATCTTCAGTAGT TATGAAATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATTTCATACATTAGTAGTCGTGCTAGTAACACATACTACGCTGATT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCTGCAAATGATCAGCCTGAGAGCCGAGGACACGGCTCTTTA TACTGTGCGAGAAGGCACTTTGGAGGAGACCATGATGCTTTTGATGTCTGGGGCCAAGGGACAATGGTCAACCGTCTCTTCAG
005	p109w158	<i>IGHV</i>	TTAGTCTCTGGATTCCCTTCAGTAACAATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGACTAGAGTGGGTGGCACTTATATCACATG ATGGAAGCTGGATAATGTACGCAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACATGCTGTATCTGCAGATGAACAG CCTGAGACCTGAGGACACGGCTCTGTATTATTGTGTGACCGAAGGCATGCGACTCGTCCATGACTACTGGGGCCAGGGAACCCTGGTCGCCGT CTCCTCAG
005	p109w159	<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGGGGAGACTTGGTCAAGCCTGGGGGGTCCCTTAGACTCTCATGTGCAGCCTCTGGATTCGCTTTCAATTACG CCTCGATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGTATTAACCCGAAGCTGACGGTGGGACAACAGAGTAT GCTGCTCCCGTGAAAGGCAGATTACCATCTCAAGGGATGATTCAAAAGACACCCCTTTATCTGCACCTGACCAGCCTGAAAACCGAGGACACAG CCGTCTATTACTGTATCGCATCAAAGACATTTGACTATTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
005	p109w162	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCTTCGGTGAAGGTGTCCTGTAAGGCTTCTGGAGGCACCTTCAGCACC TATGCGATCCACTGGGTACGACAGGCCCTGGACAAGGGCGTGGAGTGGATGGGCGGAATTATCCCTTTTTCCGGAACAAGAAAGTACGCACAG AATCTCCAGGACCGACTAACGATTGTCGCGGACGAATCCACGAACACAGCCTATATGGAGTTGAGAAGCCTGAGATCTGACGACACGGCCGTAT ATTATTGCGGAGACTGGTCGAGGTGGGATATTGACTGGTGGTACCTGCTACCCATATTTTACTACTGGGGCCAGGGAACCCTGATTACCGTC TCCTCTA
005	p109w163	<i>IGHV</i>	GAGGCGCAGCTGGTGCAGTCTGGGGGAGATTTAGTGCAGCCGGGGGGTCCCTGAGACTCTCCTGTACAGCCTCTTCATTACCTTTAGCGCC TATGCCATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGGTCTCAAGTATTAGTATGAACGGCCTTAATACATATTACGCAGACT CCGTGAAGGGCCGTTCAACCGTCTCCAGAGACAATTCCAAGAACACGCTGTCTCTACAAATGAGCCGCCTGAGAGTCGAGGACACGGGCTTATA TACTGTGTGAGAGATAATATAGGAACACATGTTATCCATTACTACGGTATGGCCGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
005	p109w167	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGCTGTACCCTTCGGAACCCTGTCCCTCACCTGCACTGTCTCTGGTTATTCCATCGCCAGTG GTTACTACTGGGGCTGGATCCGGCAGTCCCCAGGGAAGGGTCTGGAGTGGATTGGAACATCGATCATTCTGGGACCACCTACTTCAACCCGT CCCTCAGGAGTCGAATCACCATGTCAGTGGACACGTCCAGAACAGATCTCCCTGAAGTTGAGTTCTGTGACCGCCGCAGACACGGCTGTTTA CTATTGTGCGAAAGCATTGTAATACTACTGATCACTTGTGCGTCTACTACTACGGTATGGACGTCTGGGGCCAGGACCACGGTCACCGTCTCCT CA
005	p109w172	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCCCGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGTAGCCTCTGGATTCACCTTCAGTAGT TATGAAATGTAAGTGGGTCCGACAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATACATTAGTACTAGTCCGGCTATCACATATTATGCAGACT CTGTGAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAGCTCACTCTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTTTA CTACTGTGCGACCATATCCACCAACAATATAGCGGTGGCTGGAACCGCTGGTTCGACCCCTGGGGCCATGGAACCCTTTGTCACCGTCTCCTCA C
005	p109w174	<i>IGHV</i>	CAGGTGCGGCTACATCAGTGGGGCGCAGGCCCTTTTGAAGGCTTCGGAGACCCTGTCTGTACCTGCGAGGTGTATAATGGGTCCTTACCCGGT TACTTCTGGAGCTGGGTCCGCCAGTCCCCAGGGAAGGGGCTGGAGTGGATTGGCGAAATCAATCGTGATGGAACCGCCTACTACAGCCCCTCA CTGAAGAGCCGAGTCACCATATCTGTGGACCCGCCAAGAATCAATTCCTCCTGAAGCTGACCTCTGTGACCGCCGCGGACACGGCTGTATATT ACTGTATGAGA
005	p109w175	<i>IGHV</i>	GAGGTACAACCTGGTGGAGTCTGGGGGAGGCCCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGCACAGCCTCTGGATTCACCTTCAGTAGT TATGGGATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATTACTACTAGTGTCAATTATGTATATTATGCTGACTC CGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCGAGAATCTCTCTATCTGCAAATGGATAGCCTGAGAGTCGAGGACACGGCTGTATAT TACTGTGCGAGAAGGGAGAATTTGGTATGGTTCGGAGAGTTATATGACTTTTCAGCCTGGGGCCAGGGAATTCGGTCAACCGTCTCCTCAG
005	p109w176	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCCCGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTAAT TATGAAATGTAAGTGGGTCCGCCAGGCTCCAGGGAAGGGGACTGGAGTGGGTTCATACATTAGCACTAGTCCGGCCATCACATATTATGCAGACT CTGTGAGGGCCGATTACCCTCTCCAGAGACAACCGGAGAGCTCACTCTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTTT ACTACTGTGCGACCATATCCACCAACAATATAGCAGTGGCTGGAACCGCTGGTTCGACCCCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCT CAC
005	p109w177	<i>IGHV</i>	CAGGTGCAGTTGCAGGAGTCGGGGCCCGACTGGTGAAGCCTCGGAGACCCTGTCCCTCACCTGCGAAGTCGCTGGTGGCTCCTTCACTAAT TATTAAGTGGACTTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGTATATCTATAACAATGGGAACACCAACTACAACCCCTCCC TCAAGAGTCGAGTCACCATATCATTAGACAAGTCCAATAAACAGTTCTCCCTGAAGCTGACCTCTGTGACCGCTGCGGACACGGCCGTGATTAC TGTGCGAGAGGGGGTAGTAGTAATTTTCCCCACCTACAACATGACTCCTGGGGCCAGGGAGCCCTGGTCAACCGTCTCCTCAG

005	p109w18	<i>IGHV</i>	GAGGTGCAGCTGGTGGACTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTTAGTACT TATTGGATGACCTGGGTCCGCCTGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCAACATAAACGAAGATGGAAGTCGGTCATCCTATGTGGAC TCTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGGAGTCAATATATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGGTGTGT ATTACTGTGCACCGTGGTTTCACGCCACCAGCTTGACTCTGGAGCCAGGGAACCCCGTCCACCGTCTCCTCAG
005	p109w2	<i>IGHV</i>	CAGGTGCACCTGGTGGAGTCTGCGGGAGGCGTGGTCCAGCCTGGGGAGTCCCTGAGACTCTCCTGTACAGCCTCTGGATTCACCTTCAGTACC TATACTATGCACTGGGTCCGCCAGCCTCCAGGCAAGGGACTAGAGTGGGTGGCAGCTGTACATATAATGGACTGAGTCAATACTACGGAGATT CTGTGAAGGGCCGATTTACCATCTCCAGAGACAATTCCGGGAACACCTTATATTTGCAAATGAACAGCCTGAGAGCTGAGGACACGGCAACTTAT TACTGTGCGCGAGAGCGCGTGACGGTGAGTGTGCATTAGCGGACTGACCCTTTCTACTGGGGCCAGGGAACCCAGGTCACCGTCTCCCCA G
005	p109w20	<i>IGHV</i>	GAAGTGCAACTGGTGGAGTCTGGGGGAGCCTTGGTACAGCCTGGCAGGTCCCTGAGACTCTCCTGTGTAGCCTCTGGATTCACGTTTGATGATT ATGAAATGTATTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTGGAATAGCGCTAGAATAGGTTATGCGGACTC TGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCCAAGAACTCCGTGTATCTACAAATGAACAGTCTGAGACCTGACGACTCGGCCTTATATT ACTGTGCAAAAGCCTTACACCTCGCTTCGGGATGGACGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
005	p109w21	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCATCACTGG CTATACCTTGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCCTCCATTAGTACTAGTACTTACATATACTACACAGAC TCAGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTCAGTGTATCTGCAGATGAACAGCCTGAGAGCCGAGGATACGGCTCTGT ATTACTGTGCGAAAATAATTTGTGGTGGTACCGGGTGCCTCTTTTCCCGGCAACTACGGTCTGGACGTCTGGGGCCAAGGGACCACGGTCAC CGTCTCCTCA
005	p109w25	<i>IGHV</i>	CAGGTGCACCTGGTGAATCTGGGTCTGAATTAAGAAGCCTGGGGCCTCAGTGAAGTTTCTGCAAGGCTTCTGGATACACCTTCGTTAATTT TCCTATGATTTGGGTGCGACAGGCCCTGGACAAGGGCCTCAGTGGATGGGATGGATCAACACCAACACTGGGAACCAACGTATGCCAGGG CTTCACAGGACGGTTTGTCTCTCCTCGGACACCTCTGTCAACACGACATATCTGCAGATCAGCAGCCTTAAGTCTGAGGACACTGCCATATATT ATTGCGCGAGAGAAACTCGATACTGTTCTGGTGGTACGTGCGACTCCGCTGCGCGCTATTATGACCACTGGGGCCAGGGAACCCCTGGTACCG TGTCGTCAG
005	p109w26	<i>IGHV</i>	CAGGTTCAAGTGGTCCAGTCTGGAGTTGAGATGAAGACGCCGGGTGCTCAGTGAAGTCTCCTGTGCAGACTTCTGGACACACATTGAACGCCT ACATTATCAACTGGGTGCGCCAGGCCCTGGACAAGGGCTTGAAGTGGATGGGATGGGTCAGCGCTTACAACGACAACACAGAGTATTCAGAGA GGGTTCAAGGCGAGAATCACCATGACCATAGACAAGACACGGACACAGGCTACATGGAAGTGAAGGAGCCTGAGATCTGACGACACGGCGTGT ATTTTTGTCCGAGTTCGCGGCTTGAAGAAGTGGATATCAGCCGTTTGATTTTTGGGGCCAGGGAGTCTGGTACCGTCTCCTCAG
005	p109w3	61 <i>IGHV</i>	GAGGTGCAGCTGGTGAATCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTTACAGCCTCTGGATTCACCTTTACTAACG CCTGGATGAGCTGGGTCCGCCAGCCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGTATTAACCAATGCTGAAGCTGGGACAACAGACTACG CTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAAATACGCTGTATCTGCAAATGAACAGCCTGAAAACCGAGGACACAGCC GTGTATTACTGTACCACAGATATCGGGCGTATTACTATCGTTCCGGGGAGTTAATTACTGGGGCCAGGGAACCCCTGCTCACCCTCTCCTCAG
005	p109w30	<i>IGHV</i>	CAGGTGCAGCTGGTACAATCTGGGTCTGAGTTGAAGAAGCCTGGGGCCTCAGTGAAGTTTCTGTAAGGCTTCTGGATACACCTTCACTAAAT ATGCTATTAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGGTGGATCAACACCAACACTGGGAACCAACGTATGCCAGG ACTTGACAGGACGGTTTGTCTTCTCCTTCGACACCTCTGTGACGACGGCATATCTGCAGATCAGCAGCCTAAAGGCTGAGGACACTGCCGTATAT TACTGTGCGAGAGAAACGTACAGTAAGTACGACCCTCACTTTGACTACTGGGGCCAGGGAACCCCTGGTACCGTCTCCTCAG
005	p109w37	<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGCGGGAGGCGTGGTCCAGCCTGGGGACTCCCTGAGACTCTCCTGTACAGCCTCTGGATTCACCTTCAGCACC TATACTATGCACTGGGTCCGCCAGCCTCCAGGCAAGGGACTAGAGTGGGTGGCCGCAATAACCTATAATGGACTGAGTCAATACTATGGAGATT CTGTGAAGGGCCGATTTACCATCTCCAGAGACAATTCCAGGAGCACGGTCCATCTGCAAATGAACAGCCTGAGAGCTGAAGACACGGCTGTTTA TTACTGTGCGCGGGAGCGCGGGATGGTGAAGTGGAAACATTACCGGGATGACCCTTTCTAACTGGGGCCAGGGAACCCCTGGTACCGTCTCCCC AG
005	p109w39	<i>IGHV</i>	CAGGTTCAAGTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTTAGTACT ACATTGCTGCTTGGAACTGGATCAGGCAGTCCCCATCGAGGGGCTTGGAGTGGGTGGGAAGGACATATTACAGGTCCACGTGGTTTTTTGATTA TGGAAATGTCTGTGAAAGTTCGAATAACCATCAAAGCGGACACATCGAGGAACCAATTCTCCCTGCAACTGACCTCTGTGACTCCCGACGACAG GCTGTATATTACTGTGCAAGAGATCCGAATAGCAGTGGCTGGTTTTGGACTAGACTTCTGGGGCCAGGGAATCCTGGTACCGTCTCCTCAG

005	p109w43	IGHV	GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCCGGGGAGTCTCTGAGGATCTCCTGTCAGGGTTCTGAATACACGTTTAGCAAC CACTGGATCGGCTGGGTGCGCCAGAAGCCCCGGGAAAAGGCCTGGAGTGGATGGGGATCGTCTATCCTGGTGATTCTGATACCAGATATAGCCCCG TCTTTCCAGGGCCAGGTACCATCTCAGTCGACAGGTCCATCAGCACCAGCCTACGTGCAGTGGAGCAGCCTGAAGCCCTCGGACAGCGCCATG TATTACTGTGCGAGAAGCCCCCTGGGGGTGGGATATTTGACTTCTTATTATAAAAAATTACTTCGAATTATGGGGCCAGGGAACCCTGGTCACCGT CTCCTCAG
005	p109w44	IGHV	GAGGTGCAGCTGGAGCAGTCTGGAGCAGAGGTGAAAAAGCCCCGGGGAGTCTCTGAAGATCTCCTGTCAGGCTTCTGGATACATCTTTGCGGAA TACTGGATCGGCTGGGTGCGCCAGATGCCCGGAAAAGGCCTGGAGTGGGTGGGGACCATCTTCTCCTGACTCTGATACCAAATACAGTCCG TCCTTCCAAGGCCAGGTACCATCTCAGCCGACAAGTCCATCACCACCAGCCTATCTGCAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATTT ATTATTGTGTGAGACAAGGGACTTACGATTTTTGGGGTGGCCGGTGGAACTTGCAGGGAACCTACTACATGGACGTCTGGGGCAAAGGGACCAC GGTGCATTGTCTCCTC
005	p109w46	IGHV	CAAGTGCAACTGGTGCAGTCTGGGGCTGAAGTAAAGAAGCCTGGAACCTCAGTTAGGGTCTCCTGTCAGACTTCTGGATAACTTTCTCCGACT ATTGGATACACTGGATGCGCCAGGTCCCCGGACAAGGATTTTCAGTGGCTGGGCCGACTCCAGCCTAACAAATGGCGCCCCACACTATGCAAACA ACTTTTCAGGGCAGAGTCACCATGTCCAGGGACAGGTCTACCCGGACAGCCTTCTTGAAGTGCAGCGGTCTGACATCTGACGACACGGCCATCT ATTATTGTGTGCGGGCCCAACGAATCGAATTTGGACAACCTTCTCATCCACCCGACTTTTGGGGCCAGGGAACCCCGGTACCCGTCTCCTCCG
005	p109w47	IGHV	CAGGTTTCAGCTGGAGCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTAACACCTTAAGTAACT TTGAAATAACCTGGGTGCGGCAGGTCCCTGGACAGGGGCTTGGAGTGGATGGGATGGATCAGTCTTCTCATGGTAACACAAATATGCACAGAA ATTCCAGGGCAGAGTCACCATGACCACAGACACATCCACGAACACAGCCTACATGGAATTGAGAAAGCCTGACATCTGACGACACGGCCGTCTAT TTCTGTGCGAGAGAGCGGTATGTTGCAGTGGATGCTACCCGCTACTTTGACTTTTGGGGCCAGGGAACCCCTGGTCACCCGTCTCCTCAG
005	p109w48	IGHV	TTGTCTCTGGTGGGTGCGACCAGTGGTCACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGCCACATCAGTCATA TTGGAGGCCCAACTACAGCCCGTCCCTCATGAGTGCAGTCAACCATGTGCATAGACACATCCAACAACCACTTCTCCCTGAGGTTGAACTCTGT GACCGCCGCGGACACGGCTGTCTACTACTGTGTGAGAGGCCGGGAGTACAGTAATGGACCACGCCGATCTCCACTGTACTACTACTCGGTAT GGACGTCTGGGGCCAAAGGGACCACGGTCACCCGTCTTCGCA
005	p109w5	IGHV	CAGGTGCAGCTGGTGCAGTCGGGGGCTGAGGTGAAGAAGCCTGGGTCTCCTCGGTGAAGGTCTCCTGCAAGGCCTCGGGAGGCACCCCTCAGCAG CATTGCTGTCACTGGGTGCGACAGGCCCTGGACAGGGGCTTGGAGTGGATGGGGGGATCATCCCTATCTTTGGAACAACACATTACGCACA GAAGTTCCAGGGCAGAGTCACCTTTTACAGCGGACGACTCCACGAACACAGCCTTTCATGGAGGTGAGCAGCCTGAGATCTGAGGACACGGCCCT ATATTTTTGTACAAAAATTGATTTCTCTACACTACCCTACTACTTTGACTCTGGGGCCAGGGAACCCCTGGTCACCCGTCTCCTCAG
005	p109w51	IGHV	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAACCACACAGACCCTCAGCTGACCTGCTCCTTCTCTGGGTTCTCACTCACTACTAG TGGAGTGGGTGTGGGCTGGATCCGTCAGCCCCAGGAAAGGCCTGGAATGGCTTGCAGTCATTTATTGGAATGATGATGAGCGCTACAGCCC ATCTCTGAAGAGCAGGCTCACCATCACCAGGACACCTCCAAAAACCAGGTGGTCTTACAATGACCAACATGGACCCTGTGGACACAGCCACA TATTACTGTGCACAGTCGTCTACGGTGACTTCGTAGGCTGGCTCGACCCCTGGGGCCAGGGAGCCCTGGTCACCCGTCTCCTCAG
005	p109w55	IGHV	GCAAGGCTTCTGGATAACCTTACCCGGCTACTACATTCACTGGGTGCGACAGTCCCCTGGACAAGGGCTAGAGTGGATGGGACGGGTCAACC CTAACAGTGGTGACACAAATTATGCACAGAAGTTTCAGGACAGGGCCACCATGACCAGGGACACGTCCATCAGCACAGCCTACATGGAAGTGG GAGGCTGAGATCTGACGACACGGCCGTATATTACTGTGCGAGAGATCCGGGTTTAATTACTCGGGCGATCGACCCCTGGGGCCAGGGAACCC GGTCACCCGTCTCCTCAG
005	p109w58	IGHV	CAGGTTTCAGCTATATCAGTCAGGTCCAGGACTGGTGAAGCCCTTGCAGACCCTCTCACTCACCTGTGTCATCTCCGGGACAGTGTCTCCAGCA ACAGTGTCTGTTGGAAGTGGATCAGGCAGTCCCCATCGAGAGGCCCTTGGAGTGGCTGGGAAGGACATACTACAGGTCCACGTGGTATACTGATTA TGCAGTTTCTGTGAGAGGTGCAATGACCATCAATGCAGACACCTCCAAGAACCAGTTCTCCCTGCAGCTGAACTCTGTGACTCCCGACGACAG GCTCTTTATTTCTGTGCAAGAGACAGAGGATACAGCTATAATTACCCGTTACTTTGACTTCTGGGGCCAGGGGA
005	p109w6	IGHV	GATATACAACTGGTTGAGTCTGGGGGAGCCTTGGTGCAGTCTGGGGGGGTCCTCAAAATCTCCTGCGCAGCCTCTGGATTCTCATTTGATTTTT ACGGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTCGAGTGGGTGCGAAGTATCAGTGAGAAATCTGGAGCCACAGACTACGGAGAT TCCGTGAAGGGCCGATTACCATCTCCAGAGACATCTCCAAAAATATCCTTTTTCTGTACATGGAGAACCTGAGGAGCGACGACAGCCGTCTA TTATTGTGCGAAAGCGGCAGCCTTATTTTTGGTTCGGGACTCTATTACTTTGACTCTTGGGGCCAGGGAGCCCTGGTCAGCGTCTCCTCAG
005	p109w69	IGHV	CAGATGCAACTGGTGCAGTCTGGGACTGAGGTGAAGAAGCCTGGGTCTCCTCGGTGAAGGTCTCCTGCAAGGCTGCTGGAGGCACCTTCAGGACT TTTTGTGATCAGCTGGGTGCGACAGGCCCTGGACAAGGCCCTGAGTGGATGGGAGGGATCATCCCTATGTTTGGTAGAGCCCACTACGCTCCG AGATTCGAGGGCAGAGTCACGATAACCCGCGACGAATCCAAGTACTGACTGCCTACATGGAGGTGACCAGCCTGAGATCTGAAGACACGGCCGTC TATTTCTGTGCGAGATCTGGGGTAGCAGTTACGTTTCTGACTACTTCTATTACGCTATGGACGTCTGGGGACAAGGGACCACGGTCCGGTCT CCTCAG

005	p109w7	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATGAGTGAT TACTACTGGAGCTGGATCCGGCAGCCCCGGGAAGGGACTGGAGTGGATTGGG
005	p109w8	<i>IGHV</i>	CAGGTGCAGTTGGTGCAGTCTGGGCCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCGTGGCTTCTGGCTACACCTTCACCGCC AATTATATACACTTGGTGCACAGGCCCTGGACAAGGACTTCAGTGGATGGGGCGGATCAACCCTAACAGTGGTTTCACGAACCTTTCACACAGC AGTTTCAGGGCAGACTACCCATGGCCAGGGACACGTCCATGAATACAGTCTACATGGAGCTGAATACTCTGAGATCTGACGACACGGCCACATA TACTGTGCGAGGGCCCTTACAGCAGTTCGGCCGTCTGGCTCGACCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p109w82	<i>IGHV</i>	CCTGGGTCCTCGGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCACCTTCAGCAGGTTTGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGG CTTGAGTGGATGGGAGGGATCATCCCTATGTATGGTACACCAAATTACGCACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACGAATCCA CGAGCACAACTTTCATGGAGCTGAGTAGGCTGAGATCTGAAGACACGGCCGTCTATTACTGTGCGAGAGGAGAGGTGACGCTTTGGCGATGCTTT TGATATCTGGGGCCGAGGGACAATGGTCACCGTCTCTTCAG
005	p109w83	<i>IGHV</i>	GAGGGGCAGCTGGCGGAGTCTGGGGGAGGCTGGTCAAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAG TTATAGCATGCACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATTAGTAGTAGTAGTGTTTACATATACTACGCAGAC TCAGTGAAGGGCCGATTACCATCTCCAGAGACAACCCCTACAACCTACTGTATCTACAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGT ATTACTGTGCGAGAGATTCCGCCCTCGGGTGAAGTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
005	p109w89	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAGGGTCTCCTGCAAGGCTTCTGGATACACCTTCACCGAC TACTTTCTCTACTGGCTGCGACAGGCCCTGGACAAGGGCTCGAGTACATGGGACGGATCTATCCTATCAGTGGTTACACAGACTTTGAGCAGA AATTCAGGGCAGGGTCACCATGACCAGGGACACGTCCATCAACACAGCCTACCTGGAGCTGAGCAGGCTGGGACTTGACGACACGGCCACGT ATTACTGTGCGAGAGATCTGTGTTCTGGTGGCAGCTGCTACTACTTTGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p109w92	<i>IGHV</i>	GCTCACCGTCACTAGCATTACATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCACTTATTGATACCGGTGGGGCCAC TCACTACGCAGACTCCGTGAAGGGCCGATTCACCATCTCCAGAGACAATTCCAAGAACCCTGTATCTTCAAATGAGCAGCCTGAGAGCCGAG GACACGGCCGTATATTACTGTGCGACTACCAGTAGTTATGCTTTTCAGATCTGGGGCCAAGGGACAATGGTCACCGTCTCCTCAG
005	p109w93	<i>IGHV</i>	CAGGGGCAGCTGGTGCAGTCTGGGCCTCAGGTGAAGAAGCCTGGGGCCTCAGTGAAGTTTCTGCAAGGCATCTGGATACACCTTCACCAGC CACTTTCTGGACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGAAGAATCAACCCTACTGGTGGCATCACAGTCAACGAAGAG AAGTTTCAGGGCAGAGTCACCTTGACCAGGGACACGTCCACGAGCACAGGCTACATGGAAGTACTAGCCTGAGATCTGAGGACACGGCCGTT TATTATTGTACGACAGATCGGCATAACGAGGTTTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTCCTCAG
005	p109w94	<i>IGHV</i>	GAGGTGCAGCTGATGGAGTCTGGGGGTGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTGACTTTAGCAAC TATGCCATGACCTGGGTCCGCCAGGTCTCAGGGAAGGGGCTGGAGTGGGTCTCTTCTATTAGATCTGGAGATACTGGCACATTCTATGCAAACT CCGTACAGGGCCGTTACCGTCTCCAGAGACAATTACGGGGACACACTGTCTCTGAAATGAGCAGCCTGAGAGCCGAGGACTCGGGCATT ATTACTGTGCGGCCTCCCGATTACTCTGCTTACTACTTC
005	p110w100	<i>IGHV</i>	CAGGCTCAGCTGGTGCAGTCTGGAGCTGAGGTGAAGATGCCTGGGGCCTCAGTGACGGTCTCCTGCAAGGCTTCCGGTTATACCTTTAATAGTT ACGGCATCAGTTGGGTGCGACAGGCCCTGGACAGGGGTTTGAAGTGGATGGGATGGATCAGCGGTTACAATGGTAACACAACTATGCACAGA AGATGCAAGACAGAGTCACCATGACCACAGATACATCCACGAACACAGCCTACATGGAGCTGAGGAGCCTGAGATCCGACGACACGGCCGTCT ATTACTGTGCGAGAGATAGGTTTGGGCAGTATTATGGTCTTGGGGTGCTCATTTCCGTTACTACTTTGCCTCCTGGGGGCCAGGGAACCCAGG TCATCGTCTCCTCAC
005	p110w101	38 <i>IGHV</i>	GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGGTTCTGGATACACCTTTACCAGC TATTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAAGGCCTGGAGTGGATGGGGATCATCTATCCTGGTACTCTGATATCAGATATAGCCCCG TCCTTCAAAGGCCAGGTACCATCTCAGCCGACAACCTCCATCAACACCCGCTACCTGCAGTGGAGCAGCCTGAGGGCCTCGGACACCCCATG TATTACTGTGCGAGAGGGATAACTGGAACACACACCCCTACCCTTTGACTATTGGGGCCAGGGAACCCTGATCACCCTCTCCTCAG
005	p110w104	<i>IGHV</i>	CAGGTGCAGCTAGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGAAGCGTCTGGATTACCTTCAGTAGC TATGCAATGCACTGGGTCCGCCAGGCTCCTGGCAAGGGGCTGGAGTGGGTGGCATCTATTTGGAATGATGGAAGTAAAGCAACACTATGTAGACT CCGTGGAGGGCCGATTACCATCTCCAGAGACAACCTCCAAGAATACACTGTATCTGCAAAATGGACAGCCTGAGAGCCGAGGACACGGCTGTGTA TACTGTGCGGGCAGACGACCGTGGACACAGCTATGGTGCCTTACTGACTACTGGGGCCAGGGAGCCCTGGTAACCGTGTCTCCTCA
005	p110w106	<i>IGHV</i>	AAATCAATCATAGTGAAGCACCAATTATAATCCGTCCCTCAAGAGTGCAGTACCATATCAGCGGACACGTCCATAAACCAGTTCTCCCTGAGG CTGACCTTTGTGACCGCCGCGGACACGGCTGTTTACTACTGTGCCAGATACTATCGATTGCCACCTCGGTTCACTTATGATTCGGGTTCAACGC CTTGGACGCTCTGGGGCCGAGGGACCACGGTACCGTCTCCTCA



005	p110w107	IGHV	GAGGTACAGTTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGGCTCTGGATTCACTTCAGTAGT TATGAAATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGGTTTCATATATAAGTGGTAGTGGAACTATGATTCACTACGCAGACT CTGTGAGGGGCCGAGTACCATCTCCAGAGACGACGCCAAGAAGTCACTGTATCTGCAATGAGGAGCCTGAGAGCCGACGACACGGCTGTTT ATTACTGTGCGAGACAGACCCGAAATTACAGTGGTGGCTGGTACTATCTTGACTTCTGGGGCCAGGGAACCCAGGTCACCGTCTCCTCAG
005	p110w108	IGHV	GAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCAGGGCGGTCCCTGAGACTCTCCTGTACAAGTCTGGATTACCTTTGGTGTAT TATGGTATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGTTTCGTGAGAAGCAAAGCTTATAGTGGGACAACAGATTAC GCCGCGTCTGTGAAGGGCAGATTCACTATCTCAAGAGATGATTCCAAGAGCATCGCCTATCTGCAATGAACAGCCTGAAATCCGAGGACACAG CCATATATCACTGTACTAGATACTATTTAGGGAAATTCGGTGACTACGGACCTTCTGACTTCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCA G
005	p110w112	IGHV	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCTGAGACTCTCCTGTGAAGCGTCTGGATTCTTCTTACAACC TATGCCATGCATTGGGTCCGCCAGGCCCCAGGCAAGGGGCTGGAGTGGGTGGCAGGTATATGGTATGATGGAAATACAAAATATTATGCAGACT CCGTGAAGGGCCGATTACCGTCTCCAGAGACAATCCAAGGACACGGTGTCTGCAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGT ATTACTGTGCGAGAGGCTTCGAATTACGATACTTTGACTGGTTAGAGCACTATTACGGCATGGACGTCTGGGGCCAGGGGACCACGGTCACCGT CTCCTCA
005	p110w113	IGHV	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGTAAAGCTTCTGGATTACCCCTCACCGCC TCCTATATGCACTGGGTGCGACAGGCCCTGGACAAGGGCTGGAGTGGATGGGACGGATCAACCCTAACACTGCTGGCACAATGTATGCACAG AAGTTTCAGGGCAGGGTACCATGACCAGGGACAGTCCATCAGCACAGCCTACATGGAGGTGACCAGGCTGACGTCTGACGACACGGCCGTT TATTACTGTGCGAGAGGTCCAACCTCGTGATATGGTGGCAACGATTGGTCTACTACTACTACTACATGGACGCTGGGGCAAAGGGACCACGG TCACCGTCTCCTCA
005	p110w118	IGHV	CAGGTGCAGTTGGTGCATCTGGGTCTGAGTCAAGAAGCCAGGGCCCTCAGTGAAGGTCTCCTGCAAGGTTTCTGGATACACCCTCAGTAGAT ATGCTATCAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGATGGGATGGATCAACACCGTCAATGGGATCCCAACGTATGCCCGGA ACTTCGAGGGCCGATTTGTCTTCTCCTTAGACACGTCCGCCGCCACGGCATATTTGCAGATCAGTAGCCTAGAGGCTGAGGATACTGCCGTATA CTACTGTACGAGAGATGAGGGTAGCAGTGGCTGGTCTGCCTTGGATATCTGGGGCCAAGGGACACTGGTCACCGTATCTTCAG
005	p110w119	IGHV	GACCTGCAGTTGGTGGAGTCTGGGGGAAACTTGGTGCAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCGCCTGGATTACCTTCAGTAGT TATGACGTGAACTGGGTCCGCCAGGTTCCAGGGAGGGGGCTGGAGTGGATTTTCATACATTAGCCATAGTGGGAGTTGACATACTACGCGGAC TCTGTGAAGGGCCGCTTACCCTCTCCAGAGACAACGCCAAGGACTCACTGTATCTGCAGATGAGCAGCCTGAGAGCAGAGGACACGGGTGTC TATTACTGTGCGAGAGA
005	p110w122	IGHV	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGCTTAGTTACAGCCTGGGGGGTCCCTGAGACTTTCTGCGCAGCCTCTGGATTGCGCTTCAGTAAC TACTGGATGCACTGGGTCCGCCAAGCTCCAGGGAAGGGGCTAGTGTGGGTCTCACGTATTAATGTTGATGGGAGAACCACAAAACAGCGGGCTT CCGTGAAGGGCCGATTACCATGTCCAGAGACAACGCCAAGAACACCCTGTATCTGCAATGAACAGTCTGAGAGCCGAGGACACGGCTGTGT ATTACTGTACAAGAGGTCCTTGTACGCTGCCGTTGACTCCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
005	p110w123	IGHV	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGCTTGGCCAGCCTGGGCGGTCCCTGAAAGTCTCCTGTGTAACCTCTGGTTCTCCTTCAGTGAC TCTGCTATACACTGGGTCCGCCAGGCTTCCGGGAAAGGGCTGGAGTGGGTTGGCCGTATTAGAAAACAAAGCTAACGATCACGCGACAGCATAT GCTGCGTCCGTGAATGGCAGGTTACCATCTCCAGAGATGATTCAAAGAACAGGCTTATCTGCAATGAACAGCCTGAAAACCCGAGGAC
005	p110w130	IGHV	CAGGTGCACCTGGTGGACTCTGGCGGAGGCGTGGTCCACCCTGGGGGGTCCCTGCGACTCTCCTGTGTAGCCTCTGGTATCGTCTTCGATCTC AATAGTCTCCACTGGGTCCGCCAGGCCCCAGGCAAGGGGCTAGAGTGGGTGGGAATTATCTCATATGATGGAAAGTCAGCAAAAAACAGCAGACT CCGTGAAGGGCCGATTACCATCTCCGAGACAACCTCAAGAAAACAGTCTCTCCTCAAATGACCAACCTGCGACCTGACGACACGGCTGTTTA CTATTGTGTTCCGGATCGTTACAGTGGGACTCAAGCCTCATATCTTGACCATTGGAGTCCGGGGAAGTACGGTCAACCGTCTCCTCAG
005	p110w133	IGHV	GGTGGCAGCTGGTGCAGTCTGGGCCTGAGGTGAAGAATGTTGGGTCCCTCGGTGAAGGTCTCCTGTAAGGCTTCTGGAGACAGTTTCAGAGACT ATGGAATCAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGGAGGGGTCAAGTCCACCTTTCTGACAGCAGTCTACGCACAGA AGTTCCAGGGCAGAGTCACAATTAACCGCGGACGAATCCAGACAGCATACCTGGAGGTGAACAGCCTGAGATCTGACGACACGGCCGTAT ATTATTGTGCGAGCGCGGAGCACTTCGTGGGGAGGTGGTTCGACCCTGGGGCCAGGGAACCCCGTCAACCGTCTCCTCAG
005	p110w135	IGHV	CAGGTTCACTGGTGCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTACACGTTTACCGAC TATGGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGGTGGGATGGATCAGCGGTTACTGTTAACACATACCATGCACAG AAGTTCCAGGGCAAAGTACCATGACCACAGACACATCCGCGAGCACAGCCACATGGAGCTGAGGAGCCTGAGATCTGACGACACGGCCGTG TATTACTGTACGAGAGACGCTGACGATGTAATGACTGGTTATCCCTAAAAATTGACTTCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG

005	p110w143		<i>IGHV</i>	GAGGTGCAGCTGATGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCAACTTTAGGAAC TATGCCATGAACTGGGTCCGCCAGGCTTCAGGGAAGGGACTGGAGTGGGTCTCATCTATTAGATCTGGGGGTTACTGGCACATACTACGCAGACT CCGTGAAGGGCCGGTTCCACCATCTCCAGAGACAATTACGGGAACACGCTGTCTCTGAAATGAGCAGCCTGAGAGCCGAGGACTCGGGCATT ATTACTGTGCGCCTCCCGATTACTCTGATTACTACTACTACGGTCTGGACCTCTGGGGCCAAGGGACCACGGTCAACCGTCTCCTCA
005	p110w145		<i>IGHV</i>	CAGGTGCTCCTGGAGCAGTCTGGGGCTGAGGTGAGGACGCCTGGGGCCTCACTGAGGGTCTCCTGCAAGGCTCCGGATACAGTTTCACCGA CCACTATCTACACTGGGTGCGACAGGCCCTGGACAGGGGCTTGGTGGATGGGATGGGTGAACACTGACAGTGGCGCCAGTGTTTATGCAGA AGCTTTTAGCGGCAGGGTCAACCATGACCAGGGACACGTCTATCACAACAATATATTTGGAGTTTCCAGGGCTGAGATCAGACGACACGGCCGTG TATTTCTGTGCGAGGGAACTTTGGATAGTGATACTTTTTGATTTATGGGGCCAAGGGACAATGGTCAACCGTCTCTTCAG
005	p110w146		<i>IGHV</i>	GCAGATGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGAATAAGCTTCAGTGGCTATGC TATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTAGAGTGGGTGGCAATTATCTCACATGATGGAAGTAATAAATACTACGCAGACTCCGTG AAGGGCCGATTCAACCGTCTCCAGAGACAATTCCAAGAACACGTTGTATCTGCAAATGAACAGCCTGAGAACTGAGGACACGTCTCTATATTTCTG TCCGAAAGA
005	p110w15		<i>IGHV</i>	GAGGTGCAGCTGGTACAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCTCTGAGGATCTCCTGTGCAGCCTCTGGATACAGCTTTTCCACCT ACTGGATCGCCTGGGTGCGCCAGATGCCCGGGAAAGCCTGGAGTGGGTGGGCATCATCTTTTCTGATGACTCTGACACCACATACAGCCCGT CCTTCCAAGGCCAGGTCAACCATCTCAGTCGACAAGTCCATCTCCACCGCTACCTGCAGTGGAGCAGCCTGAGGGCCTCGGACACCGCCATCT ACTACTGTGCGAGACCACCTTACCATTATACCAGTTCCTCCCTTGGCTATTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
005	p110w153		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTTACAGACCCTGTCCCTCACGTGCAGTGTCTCTGGCGTCTCAATGAGCGGT AGTGGTTACTACTGGAGCTGGATCCGCCAGCACCCAGTGAAGGCCTGGAGTGGATTGGGTACATCTATGATAATGGGATCACCCACTACAACC CGTCCCTCAGGAGTCTTAGTTCAATATCCGTGGACACGTCTAATAATCAATTTTCCCTGAACCTGAGGTGAGTACTGCCGCGACACGGCCGT TACTACTGTGCGAGAATGCGGCAGGTCGTCCGGAGGAGGATGACTGAAACTCCCGTATTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGT C
005	p110w162		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACGTGCGCTGTCTCTGGTTACTCCATCAGCAAT GGTTACTACTGGGCCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGTAATATCTATGAGAGTGGGAGCACATACTACAATCCG TCCCTCGAGAGTGCAGTCAACATTTAGTAGACACGTCCAAGAACCAGTTCTCCCTGACGCTGAAGTCCGTGAGCGCCGCAGACACGGGCGTG TATTTCTGTGCGAGAGGATTTGGGTATTCTCCAGTAGTAGTAATTACTTTGACTACTGGGGCCAGGGAAACCTGGTCAACCGTCTCCTCAG
005	p110w164	39	<i>IGHV</i>	CAGGTGCAACTGGTGCAGTCTGGGTCTGAGGTGAGGAGGCCTGGGTCCCTCGGTGAAGGTCTCCTGCGAGGCCTCTGGAGGCACCTTCAGTAAT TATGGTATCAACTGGGTGCGACAGGCCCTGGACAAGGGCTTGGTGGATGGGAGGGATCAACCCATCTTTAACACAGCAAAGTATTCACAGA AGTTTCAGGGCAGACTCATCACTACTGCGGACGAATCGACGAACACAGCCTACATGGACCTGAGCAGCCTGATATACGAGGACACGGCCGTCTA TACTGTGCGGAGATCTGACTCAATGTTCTAGTGGCAGTTGCCAGAGTTTTAATACCTTTGATGTCTGGGGCCAAAGGGACAATGGTCAACCGTCT CTTACG
005	p110w167		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAACCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTTTTTCCATCAACAATG GTTACTACTGGGGCTGGGTCCGGCAGCCCCAGGGAAGCGTCTGGAGTGGATTGGGAACATCCATCATAGTGGGACCACCTACTCCAACCCGT CCCTCAGGAGTCAATCAGCATGTCAGTAGACGTGTCCAAGAACCAGTTCTCCCTGACGTTGACCTCTGCGACCGCCGCAGACACGGCTGTATA TTATTGTGCGAGAGATTGTACCAGTATCACTTGTCCGTCCACTACTATGGTATGAGACGCCTGGGGCCAAGGGACCACGGTCAACCGTCTCCTCA
005	p110w169		<i>IGHV</i>	GCCGTATGGGACCCACCTACAACCCGTCCCTCAGGAGTGCAGGCCACATATCAGCAGACACATCCAACAACCACTTCTCCCTGAAACTGGACT CTGTGACCGCCGCGGACACGGCCGTCTATTACTGTGCGAAAGTGGGGTATCAGAAGTTGCTGGACTCATGGGGCCAGGGAAACCCTGGTCAACCG TCTCCTCAG
005	p110w17		<i>IGHV</i>	GAGGTGCCACTGGTGGAGTCTGGGGGAGGCTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTTCAGCCTCTGGATTACCTTCAGTAAG TCTGCTATGCACTGGGTCCGCCAGGCTCCAGGAACGGGACTGGAACATGTGTCATCTATTGATAGTTATGGGATTACCACAACTACGCAGACT CCACGAAGGGCAGATTCACCATCTCCAGAGACAACCTCAAGAATACCCTTTTCTCAATGAGCAGTCTGAGACCTGAGGACACGGCTGTCTAT TACTGTGAAATCTCGTGGCTCTGGTTTGGTACTGGGGCCATGGGAAGTCTGGTCAACCGTCTCCTCAG
005	p110w172		<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCCAGGGGAGGCTTGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCCCTGAC TATGAAATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGCTTTTACATACATTAGTTTTAGTGGTAGTACCATACTATGCAGACTC TGTGAGGGGCCGATTCAACCATCTCCAGAGACAACGCCAAGAACTTAGTGTATCTACAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTTTAT TACTGTGCGAGAGGGCGGAGTTACGATGTTTTGACTGCTTCTATAAATACTACTTCTCCTACATGGACGTCTGGGGCCAAGGGACCACGGTCA CCGTCTCCTCA

005	p110w175	<i>IGHV</i>	TCAGCGCTCCTGGCGTGGGTGTGGGCTGGATCCGTCAGCCCCAGGGAAGGCCCTGGAGTGGCTCGCACTCATGTATTGGGATGATGATAAGC GCTACAACCCAGCTCTGAAGAGCAGGCTCACCATTAGCAAGGACACCTCCAAAAACCAGGTAGTCCCTTACAATGACCAATATGGACCCTGCGGA CACAGGCACATATTTTTGTGCACGGAGACTTTACTATGATCGTTACCCCCAACTTGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCGCA G
005	p110w177	<i>IGHV</i>	TTCCTGTAAGGCTTCTGGATACACCTTACTACCGATGCTATTAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATGGATC AACACCAACACTGGGAACCCAACGTATGCCAGGGCTTACAGGACGGTTTTGCTTCTCCTTGGACACCTCTGCCAGCACGGCATATCTGCAGA TCAGCAGCCTAAAGGCTGACGACACTGCCGTGATTACTGTGCGAGAGGGCGGACCAACAGATGGCGAGATTTTTGGAGTGGTATTACCATAA CTGCCTCGACCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p110w178	<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCCACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTGCACTCAGCACTA ATGAAGTGGGTGTGGGCTGGATCCGTCAGCCCCCAGGAAAGGCCCTGGAGTGGCTTGCACTCATTTATTGGGAT
005	p110w180	<i>IGHV</i>	GAGGTGTACCTGGTGGAGTCTGGGGGAGGCTTGGTGCAGCCAGGGCGGTCCTGAGACTCTCCTGTACAGGTTCTGGATTCACCTTCCCTGAT TATGCTATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAGTGGGTAGGTTTCATTGGAACCAAAGCTTATGGTGGGACAACCTGAATAC GCCGCGTCTGTGAAAGGCAGATTCACCATTTCAAGAGATGACTTCAACAGTATCGCCCCATCTGCAAATGAACAGCCTGAAAACCCGAGGACACAG CCGTGTATTACTGTGCTAGAGATAGTGCCTGGAACGAGCCTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p110w183	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGCTTAGTTCAGCCAGGGGGTCCCTGAGACTCTCCTGTTCAGCCTCTGGATTACCTTCAGTACC GACTGGATGCACTGGGTCCGCCAAGCTCCAGGGAAGGGGCTGGTGTGGGTCTCACGTATTAGTTATGATGGGACTACTAAAACGTACGCGGAC TCCGTGGAGGGCCGATTCCGCATCTCCAGAGACAACGCCAAGAACAGCCTGTATCTCCAAATGAACAGTCTGAGAGCCGACGACACGGCTGTG TACTACTGTGCAAATTTGGGCGGGCTACTTGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p110w20	<i>IGHV</i>	CAGGTTCACTGTCAGCAGTCCAGGACTGGTGAAGCCCTCGCAGACCCTCTCACTCACCTGTGCCATCTCCGGGGACAGTGTCTCTAGC AACAGTGTCTTGAAGTGGATCAGGCAGTCCCCAACGAGAGGCCTTGAGTGGCTGGGAAGGCATACACTACAGGTTCCAGGTGGTATTATGATT ATGCAATTCCTGTGAAAAGTCAATAACCATCAGCCCCAGACATCCAGGAACCAGTTCTCCTGACGCTGAACTCTGTACTCCCGAGGACAC GGCTATCTATTACTGTGTAAGAGATGCAGGTTTTGGTCTCGATGCTTTTGATATCTGGGGCCGATGGGACAATGGTCACCGTCTCTTCAG
005	p110w21	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGACACTCTCCTGTGCAGGCTCTGGGTTTTGCCTTCAGTGC CTCTGAAATGCACTGGGTCCGCCAGGCTTCCGGGAAAGGGCTGGAGTGGGTGGCCGTATTAGAAGCAAAGTTAATGATTACGCGACGGCACA GGCTGCGTCACTGAAAGGCAGGTTCCACATCTCCAGAGATGATTCACAGAACACGGCCTATCTGCACATGAACAGCCTGAAAACCGAAGACACG GCCGTCTATTACTGTACTCCAATAATTACTATGATAGTAGTGGTTATAAGTACTACTACGGTCTGGACGCTCTGGGGCCAAGGGACCACGGTAC CGTCTCCTCG
005	p110w24	<i>IGHV</i>	CAGGTGCAGCTGATGCAATCTGGGTCTGAGTTGAAGGAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGGCCTCTGGATACACGTTCACTGATT ATGGTTTGAATTGGGTGCGACAGGCCCCCGGACAAGGGCTTGAGTGGCTGGGATGGCTCAACACCAATACTGGGAACCCATTTTATGCCAGG AGTTCAGAGGACGATTTGTCTTCTTTGACTCTCTGTGAGTACGGCATATCTTCAGATCCCCAGCCTGCAGCCTGACGACACTGCCATTTATT ACTGCGCGAGAGATCGCGTGAGGGGCTGTTCTAGTACTAGCCTGCTGGGACTTGGACTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCT CAG
005	p110w26	<i>IGHV</i>	TCCTCCATCAGCAGTGGTACTTCTGGGGCTGGATCCGGCAGCCCCCAGGGAAGGGGCTGGAATGGATTGGGAATGTCTATCATGATGGGAAC ACCTACTACAACCCGTCCCTCAAGAGTGCAGTACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAACCTGAACTCTGTGACCGCCG CAGACACGGCCGTATATTACTGTGCGAGAGAGTGTAGTACTTTACCTGTCACTACTTCCGTTTGGACGCTCTGGGGCCAAGGAATCACGGT CACCGTCTGCCTC
005	p110w3	<i>IGHV</i>	CAGGTCAAACCTTGTGCAGTCTGGGGCTGAGGTGAAGAGGCCTGGGGCCTCAGTGAACCTTCTGCGAGGCTTCTGGATACATCTTCAGTAACT ATGGTGTGCATTGGGTGCGCCAGGCCCCCGGACAAGGCTTGGAGTGGATGGGGTGGATCAACGCTGCCGATGGTAAGACTAGATACTCACAAA GGTTGCAGGGCAGAGTACACCTACTACCGACACAACCGCGACCACAGCCTACATGGAACCTGCGCAACCTGAGATCTGCAGACACCTCTATTTA TTACTGTGCGACCCAACCTCCGTTTACTGGGGACTACTACTGGGAAGCCTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p110w30	<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCCACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCAATCAGCACTA GTGGAGTGGGTGTGGGCTGGATCCGTCAGCCCCCAGGAAAGGCCCTGGAGTGGCTTGCACTCATTTATTGGGATGATAATACGCGCTACAGCC CATCTCTGAAGAGCAGGCTCACCATCACTAAGGACACCTCCAAAAACCAGGTGGTCTTACAATGACCAACATGGACCCTGTGGACACAGCCAC ATATTACTGTGCACACAGATCCGATAGCAGCATCTGGTACGTTGGTGAACACTTCCACTACTGGGGCCAGGGCACCCCTGGTCACCGTCTCCTCA G
005	p110w35	<i>IGHV</i>	CAGGTACAACCTGCAGGAGTCCGGGCCAGGACAGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCCGGTGCCTCCATGAAGAAT TACTATTGGAGTTGGATCCGGCAGGCCCCAGGGGAGGGGCTTGCCTGGATTGGCTATGTCCACGACAGCGGGAGCACCAAGTTACAATCCCGCC CTCAGGAGCCGAGTACCGTCTCACTGGACACGTCCGCGAATCAGTTCTCCCTGAAACTGACCTCTGTGACCGCTGAGGACACCGCCGTGATT ATTGTCCGGTGACCGCTTCCGTTTGGGGGAGTCTTTTGAATCTTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG

005	p110w37	IGHV	GAGGTGCACCTGGTGGACTCCGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAAACTCTCTGTGCAGCCTCTGGGTTACCTTCAGTGG CTCTTTTATACACTGGGTCCGCAAGGCTCCCGGGAAAGGCTGGAGTGGGTTGGCCGCATTAGAACCAAACTGACAATTACGCGACAGCATT GCTGCGTCCGTGGAAGGCAGGTTACCATGTCCAGAGATGACTCACAGAACACGGCGTATCTACACATGAACAGCCTGAAAAGTGGAGACAG GCCATTTACTACTAGATATGTGCAAGACACCTCCATCTTCTGGGACTACTGGGGCCAGGGAACCCCTGGTCAACCGTCTCCTCAG
005	p110w39	IGHV	GAGGTGCAGCTGGAGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGCTTCTGGATACATCTTTCGCGAAT ACTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAAGGCCTGGAGTGGATGGGGACCATCTTTCCTCGTACTCTGATACCAATACAGTCCGT CCTTCCAAGGCCAGGTCACCATCTCAGCCGACAGGTCCATCACCACCGCCTATCTGCAGTGGAGCAGCCTAAAGGCCTCGGACACCGCCATTTA TTATTGTGTGAGACAAGGGACTTACGATTTTTGGGGTGGCCGGTGGAACTTGCAAGGAACTCACTACATGGACGTCTGGGGCAAAGGGACCAC GGTCAACCGTCTCCTCA
005	p110w46	IGHV	CGCTCAATTGCAGTGTCTCTGGTGGGTCCCTCGGTTTTGAGTACTGGACCTGGATCCGCCAGTCCCCAGGGATGGGACTGGAGTGGATTGGAT TTCTCTATTACGGTGGGAGGACGGCGTACAATCCCTCCCTCAAGGGTTCGAGCCACCATATCAGCTGGCACCTCCAAGAATCAGTTCTCCCTGAA GTTGACCTCTGTGACCCCTGCGGACACGGCCGTGATTTTTGTGCGAGAGAGGTTTCATTATGGGGATGGACATGGTTCGGGGGACTTTTTGGGC CTTTGGGGCCGGGGAAACCCTGGTCAAAGTCACTCAG
005	p110w47	IGHV	CAGGTACAACCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCCTCGGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCAGCTTCGGCAG CTCTGCTCTCAGCTGGGTGCGACAGGCCCTGGACAGGGGCTTGAAGTGGATGGGAGGGATCGTCCCTCTGTTTGGTACAGTAAACTATGCCCA GAAGTTCAGGGCAGAGTCTCCATTAGTGCAGGACACACCACGACCACGGTGTACATGGAGCTGGGCAGCCTGAGATCTGAGGACTCGGCCGT GTATTACTGCGGAGACAGCTGATGCTGGTGGTCACTACTCAAAGTGGTATTTGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCC TCAG
005	p110w5	IGHV	CAGGTGCATCTACATGAGTCGGGGCCAGGACTGATGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCGTCAGCAGC CGTGCTTACTACTGGAGCTGGATTCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGACATATTTATTACAGTGGGAGCACCAATTACAGCC CCTCCCTCCAGAGTCGAGTCACCCATCAATTGACACGTCCAAGAACCAGTTCTCCCTGAAGTTGAACTCTGTGACCGCTGCGGACACGGCCCT ATATTACTGTGCGAGATCTGACG
005	p110w51	IGHV	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTTCGAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTGAC TACTACATGACCTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTCATACATTGGTGATAGTCATACTATGGTATACTACGCAGACT CTGTGAAGGGCCGATTACCATCTCCAGGGACAACGCCAAGAACTCATTGTATCTGCAAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTA TTACTGTGCCAGAGATATGGGACCCCGCCAAAATTGTCGTGGTGGTAACTGCTACACTGTCTACGCTGACTACTGGGGCCAGGGAACCCCTGGTC ACCGTCTCCTGCA
005	p110w55	IGHV	CACCAGTACTTACTACTGGGCCTGGATCCGGCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGACTATCTATCATAGTGGGATCCTCTACTAC AACCCGTCCTCAGAGTCGAATCACCATATCAGCAGACAGCTCCAAGAACCAGTTCTCCCTGAAGCTGACCTCTGTGACCGCCGACAGACAGG CCGTGTATTACTGTGTGAGGGCCCCCAATATGCTGGGCTTTCGACCCCTGGGGCCGGGGAACCCCTGGTCAACCGTCTCCTCAT
005	p110w59	IGHV	CAAGTGCAGTTGGTGAATCTGGGCCTGAGATGACGCGGCCTGGGGCCTCAGTGAAACTGTCTGCAAGGCCTCCGGATACATATTCGGCGAC TACTACATGCACTGGGTGCGCCAGGCCCTGGACAAGGGTTGAGTGGATGGGACGGATCAACCCATACGGTGGTGGCACCAACTATGCACAG CGATTTCAAGGGCAGGGTCAACATGACCAGGGACGCGCCATTACCACAGTCTACTTGGAGTTGCGCGACGTTTCGGTCAAGCAGACAGCCGCTG TATTTTTGTGTGAGAGATTTGAAGGGGACCAATCGTGGCCCTCACCTGGTTGACCCCTGGGGACAGGGAACCTCTGGTCAACCGTCTCCTCCG
005	p110w6	IGHV	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGATACACCTTCACCGGC TACTTTATGACTGGCTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGACGGATCAACCCATACCAGTGGTGGCACAGACTATGCACAG AAGTTTCAGGGCAGGGTCAACATGACCAGGGACACGTCCATCAACACAGCCTACCCTGGAAGTGGAGGCTGGGATCTGACGACACTGCCATG TATTACTGTGCGAGAGATCTTTGTAGTGGAGGCAGCTGCTACTACTTTGACTGACTGGGGCCAGGGAAGCCTGGTCA
005	p110w62	IGHV	GGGCTGGAGTGGATGGGACGGATCAACCCTAACACTGCTGGCACAATGTATGCACAGAAGTTTCAGGGCAGGGTCAACATGACCACGGACAG TCCATCAGCACAGCCTACATGGAGGTGACCAGGCTGACGCTGACGACACGGCCGTTTATTACTGTGCGAGAGGTCCAACCTCGTGGATATGGTG GCAACGATTGGTCTACTACTACTACTACATGGACGCCTGGGGCAAAGGGACCACGGTCAACCGTCTCCTCA
005	p110w8	IGHV	GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGCTTCTGGATACAGCTTTACCAGC TACTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAAGGCCTGGAGTGGATGGGGATCATCTATCCTGGTACTCTGATACCAATACAGCCCG TCCTTCCAAGGCCAGGTCACCGTCTCAGCCGACAAGTCCATCACCACCGCCTACCTGCAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATG TACTACTGTGTGAGACTTGATAGTGACGGTCAATTGAGAAGTACTTCTTTGAATACTGGGGCCAGGGAACCCCTGGTCAACCGTCTCCTCAG
005	p110w83	IGHV	GGGGTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGTTGTCTCTGGTTATTTTCATCAGTAGTGGTTATTATTGGGCCTGGATCCGGCAGC CCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTATTACAGTGGGAGGACTTTTCCAACCCGTCCTCAAGAGTGGAGTCAACCGTATCAGTC GACACGTCCAAGAATGAGTTCCCTGAACCTGTACTCTGTGACCGCCGACACAGCCCGGTGATTACTGTGCGCGAGGCCCCCGCTATAATT GGAATTTGGGGCCGATCGACCCCTGGGGCCAGGGAACCCCTGGTCAACCGTCTCCTCAG

005	p110w89		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCCTCGGCTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACAGTCTCTGGTGACTCCATCAACAAT ATTAATTACTTCTGGAGTTGGATCCGGCAGCCCCAGGGAGGGCACTGGAATGGCTTGGGAATGTCTATTATACTGGGAGAGCCAATTACAATC CCTCCCTCGGGGGTGCAGACCACCATTTTCGGTTGACACCTCCGCGACCCAGTTCTCCCTGACCCTCAGCTCTCTGACTACTGCGGACACGGCCG TGTATTATTGTCCGAGAGATCGACTGTTTTGTAGTGAGGTCAGGTGCTATGACTATCACCAGATGGACGCTCTGGGGCAGAGGGACCACGGTCAC CGTCTCCTCA
005	p110w92		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGCTCCCTGAGACTCTCCTGTTCCAGCCTCTGGATTCCCCTTCAGTTAT TCTGCCATGCACTGGGTCCGCCAGGCTCCAGGAAAGGGACTAGAATGTGTTTCATCTATTGATAGTTATGGGATTAGCACAACTACGCAGACTC CGCGAAGGGGAAGATTCACCATCTCCAGAGACAATCAGAAGAACACACTCTATCTTCAAATGAGCAGTCTGAGACTTGAGGACACGGCTGTATATT ACTGTGTGAAATCTCGTGGCTCCTGGTTTGAGTACTGGGGCCAGGGAATTCTGGTCACCGTCTCTTCAG
005	p110w93		<i>IGHV</i>	CAGGTGCAGGTGGTGCAGTCTGGGGCTGAGGTGAGGAAGCCTGGGGCTCAGTGAAGTTTCTGCAAGGCATCTGGATACACCTTCAGCAGC TACTTTATACACTGGGTGCGACAGGCCCTGGACAGGGCTTGGAGTGGATGGGAATAATCAACCCTAGTGGTGGTAGCACAAGCTACGCACAGA AGTTCCAGGGCAGAGTCACCATGACCAGGGACACGCCACGAGCACAGTGTTCATGGAGTTGAGCAGCCTGAGATCTGACGACACGGCCGTCT ATTATTGTGCGGGAGAGACGTATTACTATGATTCGGGCAGGCAGTACTTCTTGACCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p110w97		<i>IGHV</i>	CAGGTTACAGCTGGTGCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACACCTTTAACAGC CATGGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGATGGGATGGATCAGCGCTTACAATGGGAACACAACTATGGACAG AAGTTCCAGGGCAGAGTCACCATGACCACAGACACATCCACGAGCACAGTCTACATGGAGTTGAGGAGCCTGAGATCTGACGACACGGCCGTA TATTACTGTGCGAGAATGGAGTATTGTAGTGGTGGTCTTCGATTACTATGATAGTAGTGCCAACTGGACTACTGGGGCCAGGGAACCCTGG TCACCGTCTCCTCAG
005	p111w100		<i>IGHV</i>	CACTCTCCTGTGCAACGTCTGGATTCTTTCAGTAATATGCCATGCACTGGGTCCGCCAGGCTCCTGGCAAGGGGGCTGGAGTGGGTGGCAAT TATATGGTATGATGGAAGTAATAAAAACTATGCAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACGATTCCAAGAACAGCTATATCTGC AAATGGACAGCCTGAGAGCCGAGGACACGGCTCTTTATTTTTGTGTGAGAGCTGCAACTGGCAGACGTTATCTTTGGCCTGAATACTGGGGCCA GGGAACCCTGGTCACCGTCTCCTCAG
005	p111w101		<i>IGHV</i>	GAGCTGCAGGTGGTGGAGTCTGGGGGGTCTGTGGTACGGCCGGGGGGTCCCTGAGACTCTCCTGTGAAGCCTCTGGATTACGTTTGTATGAT TTTTGGCATGAAGTGGTCCGCCAAGCCCCAGGGAAGGGGCTGGAGTGGGTCTCTGGATTTTTGGGATGGTGGTGGAGTAGGTTATGCAGAC TCTGTGAAGGGCCGATTACCATCTCCACAGACAACGGCAAGACCTCCCTGTATCTTCACATGAACAGTCTGAGAGTCCAGGACACGGCCTGT ATCACTGTGTGAGGGACCGTGGATACAAATATGGTTCCTCCTACTACTACTACAGTATGGACGCTCTGGGGCCAGGGGACCACGGTCACCGTCTC CTCA
005	p111w106		<i>IGHV</i>	AGGAGGCTTGATCCAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTTCATCGTCAGTGACAACACTACGTGAGCTGGGTCCGCCA GCCTCCAGGGAAGGGGGCTGGAGTGGGTCTCAATATTTATGTCTGGTGGTACTACATTCTACGCAGACTCCGTGAAGGGCCGATTACCATCTCC AGAGACAATTCCAAGAACAAGTATATCTTCAGATGAACAGTCTGAAATCCAATGACACGGCCGTGTATTACTGTGTGGGGGGACAGTTCTTTCC TTCTTTGACTACTGGGGCCAGGGAGCCCTGGTTCGACCGTCCCTCA
005	p111w107		<i>IGHV</i>	GAGGTACAGTTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGGCTCTGGATTTCATCTTCAGTAGT TATGAAATGAAGTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGTTCATATAAAGTGGTAGTGGAACTATGATTCACCTACGCAGACT CTGTGAGGGGCCGAGTCACCATCTCCAGAGACGACGCAAGAACTCACTGTATCTGCAAATGAGGAGCCTGAGAGCCGACGACACGGCTGTTT ATTACTGTGCGAGACAGACCCGAAATTACAGTGGTGGCTGGTACTATCTTGACTTCTGGGGCCAGGGAACCCAGGTCACCGTCTCCTCAG
005	p111w108		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGACGGGGGGAGGCTTGGTCAAGATTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTGAC TACCATATGAGTTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATTTTCATTAGTATAGTGGTGGTGGAGTACATAAACTCCGCAGACT CCCTGAAGGGCCGAATCACCGTCTCCAGAGACAACGCCGAGAAGTCAATTGTTCTGCAGATGAACGGCTGAGAGTCCAGGACACGGCCGTGT ATTACTGTGTGAGAATGGGAAGGAATTTTCAGTTGCCCCCATGATGCTTTTATACCTGGGGCCAAGGGACAGTGGTCACCTGTCTCTTCA
005	p111w109	41	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCCCCGTACAGCCTGGAGGGTCCCTGAAACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAAT TATGAAATGACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTTATACATTAGTACTAGTCCGGCTATCACATATTATGCAGACT CTGTGAGGGGCCGATTACCATCTCCAGAGACAACGCCAAGACTCACTGTATCTGCACATGAACAGCCTGAGAGCCGAGGACACGGCTGTTTA CTACTGTGCGACCATTTCCACCAACAATTTAGCAGTGGCTGGAACGCCTGGTTCGACCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA C
005	p111w113		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAAACTCTCCTGTGCAGCCTCTGGGTTACCTTCAGTGA CTCTGCTGTGCACTGGGTCCGCCAGACTTCCGGGAAAGGGGCTGGAGTGGGTTGGCCGTATTAGAACCAAGGCTAACAAATTTCCGCGACATCATAT GCTGTGTCGGTGAAGGCAGGTTCTTCATCTCCAGAGATGACTCAGAGAACACGGCATATCTCCAATGAGCGGCCTGAAAACCGAGGACACG GCCGTCTATTATTGTACTAGGGGAACAGGATTTTGTGGTTATAATACCTGCTCCACCTACGGCTACTACTACGCTATGGACGTCTGGGGCCAGG GACCACGGTCACCGTCTCCTCA

005	p111w114	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGAAGCCTCTGGATTACCTTCAATAAT GATGAAATGCACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGCATACATTAGTAGTAGTGGTAGTACCATCTACTATGCAGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAAGCTCACTGTATCTGCAGATGAACAACCTGAGAGCCGAGGACACGGCTGTTTA TACTGTGCGAGAATGTGGCTGGTATCTCTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p111w115	<i>IGHV</i>	CAGGTGCAGCTGGTTGAGTCGGGGGAGGCGAGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGAAG CAATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTAGAGTGGGTGGCAGTCAATATCATATGATGGAAGTGAGAAATTCTACGCAGA CTCCGTGAAGGGCCGCTTACCATCTCCAGAGACAATCCAAGAATACACTGTATCTCGAAATGAACAGCCTGAGACGTGAGGACACGGCTGCG TATTACTGTGCGCGAGATCGCTATGCAGCAGCTGCTGCGACCTTTCTCGACTATTGGGGCCAGGGAGCCCCGGTCACCGTCTCCTCAG
005	p111w118	<i>IGHV</i>	GAGGTGCAGTTGGTGGAGTCTGGGGGAGGCTTGTCTCAGCCAGGGCGGTCCCTGAGACTCTCCTGTACAGTTTCTGGATTACGTTTTGGTGAT CACGCTATCACTGGGTCCGCCAGGCTCCAGGAAAGGGGCTGGAGTGGGTTGGTTTCATTAGAAGTAAAGCTTATGGTGAGACAAGAGAATACG CCGCGTCTGTGGCAGGCAGATCAGCATCTCAAGAGATGATTCCAAAAACATCGCCTATCTGGAATGAACAACCTGAAAAACGAGGACTCGGC CGTGTACTATTGTACTAGAGAGGAAGGGTATCGGAGCACCTGGTACCGGAAATTTGACTTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA G
005	p111w119	<i>IGHV</i>	AGGGTCTCCTGCAAGACTTCCGGAATCACTTTACACAATTATGCTATTAGTTGGGTGCGACAGGCCCTGGGCAAGGGTTTGGTGGCTGGGAC AGATCATCCCTGTCTTAGGCACAACAAAGTACGCACAGAAGTTCCAGGGCAGAGTACGATTACCGCGGACAAATCCACGAGCACAGTTTTATAT GGATCTGGGCAGCCTGACATCTGAGGACACGGCCGTATATTTCTGTGCGAGATTGTGGGTCACTACTACGGTCTGGACGCTGGGGCCAAGG GACCACGGTCAGCATTTCCCTCC
005	p111w122	<i>IGHV</i>	GTGTCCTTCAGTGGTTACTACTGGACCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGGAAATCAATCATAGTGAAGCACCC AAGTACAAGTCGTCCCTCAAGAGTCGAGTACCATATCAGTAGACACGTCCAAGAACCAGTTTCTCCCTGAAGCTGACCTCTGTGACCGCCGCGG ACACGGCTGTATATTACTGTGCGAGAGTTTGGCAACGGGCGCTTGACTTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p111w126	<i>IGHV</i>	GAGATGCTCCTGGTTGAGTCGGGGGAGGCCTGGCGCAGTCTGGAGGGTCCCTGAGACTCTCCTGTGTTGGTTCTGGATTACCTTCAGTTATT ACGACATGAATTGGGTCCGCCACATCCCAGGGAAGGGATTTCGAGTGGGTCTCATTTATAAAGAATACTGGAGATGTAACATATTACGCAGAGTCT GTGAAGGGGCGATTACCGTCTCCAGAGACAACCTCAAGAACTCACTATTTCTTCAGATGAATAACCTGAGAGGCGAGGACACGGCTACTTATTA TTGTGTGACCCTAGGAGTGGGGAAGAATTACTACTTCAAGCAAGTGGACGCTGGGGCCAGGGGACCAAGGTCACCGTCTCCCCA
005	p111w127	<i>IGHV</i>	ACCAATACATACACTGGGTGCGACAGGTCCCTGGACAAGGGCTTGAGTGGATGGGATGGCTAAACACGCACACTGGCGGCTCAAACATATGCAC AGGACTTTCAGGGCAGAGTTATCATGACGAGGGCCACGTCCATCAACACAGCCTACCTGGAGTTGACTTGGCTGAGATCTGACGACACGGCCGT GTATTACTGTGCGAGAGAGCGGTTGGATAGTGATACTCTTGATTATGGGGCCAAGGGACAAAGGTCATCGTCTCTTCAG
005	p111w129	<i>IGHV</i>	CAGGTGCAGGTGGTAGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAAGTCCCTGAGACTCTCCTGTGCAGTCTCTGGATTACCTTCAGTAGC TATACTATGCACTGGGTCCGCCAGGCTCCAGGCAACGGACTAGCGTGGTGGCACTTATATCGAATGATGGAACATAAGAAATACTATGCAGACT CCGTGAACGGCCGATTACCATCTCCAGAGACAATTCATGAACACTCTCTATCTGCAGATAGACAATCTGAGACCTGACGACACGGCTGTCTAT TACTGTGCGAGAGAGTACGCGTCCCAGAGGCGTGGCTAGCCCCCTATGGTCTCTTGACTACT
005	p111w13	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCAGGGCGCTCCCTGAGACTCTCCTGTGCAACTTCTGGATTACATTTGGTGGT TTTTATATGAACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTAGGTTTTCATCAGAAACAAAGCATATTATGGGACAACACAATATG CCGCGTCTGTCAAAGGCAGATTCACCATCTCAAGAGAT
005	p111w133	<i>IGHV</i>	CAGGTGCAGTTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGGTTTCTGGTACTCCGCCAGTAGA TATCATTGGCAGTGGATCCGGCAGGCCAGGGAAGGGACTGGAGTGGATGGGAGTACCTATTACAGTTTGGTTCAAATACAACCCCTCCC TCAAGAAATAGAGTCTTGATATCAATAGACAGGGCCAGCAACCTGATCTCCCTGAAACTGACCTCTGTGAGCGCTGCAGACACGGCCGTTTATTAC TGTGCGAGAGGTGACTGGAAGATGATAGTGCCTTCTCGACTCCTGGGGCCAGGGAATCCTGGTCACCGTCTCCTCAG
005	p111w14	<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCAGGGCGGTCCCTGAGAGTCTCCTGTACAGCTTCTGGATTACCTTTGGTGAT TTTGCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAAGTTTTATTGGAAGCAAACCCTATGGTGGGACAACAGAGTAC GCCGCGTCTGTGAAGGGCAGATTCACCATCTCAAGAGATGATTCCAAAAGCATCGCCTATCTCAAATGAACAGCCTGAAACACGAGGACACAG CCATCTATTTCTGACTAGAGTCGCTCCGAATTTTGTGCTGGCGGTGCCTGCTACGGGGGAGGTTCTGATTATTGGGGCCAGGGAACCCTGGT CACCTGTCTCCTCA
005	p111w144	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGATACACCTTCACCGAC CAATACATACACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATGGCTAAACACGCACACTGGCGGCTCAAACATATGCACAG GACTTTCAGGGCAGAGTTATCATGACGAGGGCCACGTCCATCAACACAGCCTACCTGGAGTTGACTTGGCTGAGATCTGACGACACGGCCGCTGT ATTACTGTGCGAGAGAGCGGTTGGATAGTGATACTCTTGATTATGGGGCCAAGGGACAAAGGTCGATCGTCTCTTC

005	p111w145	<i>IGHV</i>	GAGGTGGAAGCTGGTGGAGTCGGGGGGGGGCTTGGTACGGCCAGGGCGGTCCCTCAGACTCTCCTGTACAGGCTTTGGATTTACCTTTGGTGAT TATGCTTTGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGTTTTATTAGAAGTAAAGTTATGACGGGACCACAGACTAC GCCCGCTGTGTAAAGGCAGATTCACCATCTCAAGAGATGATCCAGAGCATCGCCTATCTGCAAATGAACAGCCTGAAACCCGAGGACTCAG CCGTGTATTACTGTGCGAGACCCCTCTATATTGGGAGCTACTACTCTAGTTATTTGAATACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCA G
005	p111w146	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCATGTTTAGAGAC TACTGGATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCAGCATAAAGTACGATGGAAGTGAGAAATACTATGTGGAC TCTGTGAGGGGGCCGATTCACCATCTCCAGAGACAACGACGAGGACTCATTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGT ATTACTGCACAAGGACGATGACACGGGGGGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
005	p111w15	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTAG CTATACCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCCTCCATTACTAGTAGTAGTACTTTTCATATACTACGCAGAC TCAGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAAGCTACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTCTGT ATTACTGTGCGAGAG
005	p111w159	<i>IGHV</i>	CAGGTGCAGCTGGTGCATCTGGGTCTGAGTTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAAGGCTTCTGGATACACTTTTCAGTAACT ATGCTATGAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGATGGATCAACACCAACTGGGAACCCAACGTATGCCAGG GCTTCACAGGACGGTTTGTCTTCTCCTTGGACACCTCTGTCAGCACGGCATATCTGCAGATCAGCAGCCTCAAGGCTGAGGACACTGCCGTATA TTACTGTGCGAGAGACCTTCGATTTCTGTGCCCTCAGATTACTACTACTACATGGACGTCTGGGGCAAAGGGACCACGGTCACCGTCTCCTCA
005	p111w162	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGGCTGGTGAAGCCTTCGGGGACCCTGACCCTCACCTGCGCTGTGCTGGTGGCTCCCTGAGAAG TAATACCTGGTGGACTTGGGTCCGCCAGCCCCAGGGAAGGGACTGGAGTGGATTGGAGAAATCTATCATACTGAGAGCACCACCTACAACCC GTCCCTCAAGAGTCGAGTCACCATATCGATAGAC
005	p111w163	<i>IGHV</i>	TTGGTGCAGTCTGGGGCGGAGGTGAAGAAGCCTGGGTCTCGGTGAAGGTCTCCTGCGAGGCTTCTGGAGGCACCTTCAATGAATATGCTGTC CACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGAGGCATCATCCCTTTCTTAGGTACAACACACTACGCGCAGAAGTTCCAG GGCACAGTCACGATTACCGCAGACGGATCCACGGGCTCTGTTTACATGGAGCTGAGCAGCCTGAAATATGAGGATACGGCCGTATATTATTGTG CGAGATCGCACGTCAGTAGCACCCAGTATAGCAGGTTTGACCCCTGGGGCCAGGGAGTCCTGGTCACCGTCTCCTCAG
005	p111w167	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGAAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCTATAAA TATGGTATGCACTGGGTCCGGCAGACTCCAGGGAAGGGACTGGAATCTGTTTCAACTATTAGTAGTCATGGGAGTCACACATATTATGCAGACTC TGTGAAGGGCAGATTCACATCTCCAGAGACAATTCCAGGGACACCCTGTTTCTTCAAATGGGGAGCCTGAGACCTGAGGACGCGGGTGTGTAC TTCTGTGCGAGGGACTCGTATGAGGATTTTTGAGTTCGGGGGCTGAACTTCTACATGGACGTCTGGGGCAAAGGGACCACGGTCACCGTCT CCTCA
005	p111w168	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCCATGAAAAAT CACCCTGGAATTGGATTCCGGCAGGCCCCAGGGAAGGGACTGGAGTGGATTGGGTTGTTCCATGACGATGGGAACCTCCGGCTACAATCCCTCC CTCAGGGGTCGAGTCACCATATCAATTGACACGTCCAAGAACCAGTTCTCCCTGCAGCTAGACTCTGTGACCGCTGCGGACACGGCCGTCTATT ACTGTGCGAGGGACAAGTCTGAATATTATGATACCATTTGGGGGAGTTATCGTTACAACCTCTTCGACTCCTGGGGCAGGGAACCCCTGGTGCAC CGTCTCCTCAG
005	p111w169	<i>IGHV</i>	CAGGTGAACCTGGTGGAGTCTGGGGGAGACTTAGTCAAGCCTGGAGGGTCCCTGAGACTTTCCTGTGCAGCCTCTGGATTCACCTTTATTGACT ACTATATGACTTGGTCCGCCAGGCTCCGGGGGGGGCCTGGAATTTATTGCATACATTAGTAACAGAGTTTCTACTAAGTACTACGCAGACTCT GTGAAGGGCCGCTTCAACGCTCTCCAGGGACAACGCCAAGGAGTCCATTTTATCTGCAGATGGACAGCCTGAGAGCCGAGGACACGGCCGTCTAT TACTGTGCGAGGGTTGCGAATACTGTTTCTTTTCTTACTCTTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCCG
005	p111w17	<i>IGHV</i>	CAGGGGCACCTGGTGGAGTCTGGGGGAGGCTGGTCCAGCCTGGGACGTCCCTGAGACTCTCCTGTGTAGCCTCCGGATTCCGCTTCAGTAC CTATGCCATGCACTGGGTCCGCCAGGCTCCGGGCAAGGGACTAGAGTGGGTGTCAGCTATATCATATGATGGAAGTCATTTACATTATGTAGAC TCAGTAAAAGGCCGATTCACCATCTCCAAAGACAGCTCCAAGAACACACTATTTCTACAAATGAACAACCTGAGAGTTGAAGACACGGCTGTATA CTACTGTGCGAGATTGGGGTATTGTAGTGGCGGGAGTTGCTACTACCACGCTATGGACGTCTGGGGCAAAGGGACTACGGTCGCGCTCTCCTC A
005	p111w171	<i>IGHV</i>	CAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCGGCCTCTGGATTCACCTTCGGTGAC TATTATATGAGTTGGATCCGCCAGGCTCCAGGAAAGGGACTGGAGTGGGTTTCATACATTAGTAATATTGGTAGTACCACAAAATACTCAGACGC TGTGAAGGGCCGATTCACCATCTCCAGGGACAACGCCAAAACTCACTGTATCTGCAAATGGAGAGCCTGCGAGACGAGGACTCGGCCATAT TTCTGTGCGAGAGAGGGTCGATATTGTTCCAGTACCACCTGCCTTCGAACCTTTGACCTGTGGGGCCAGGGACCCCTGGTCACCGTCTCCTCAG

005	p111w172	<i>IGHV</i>	TTCAGCCAGGGCGGTCCCTGAGACTCTCTGTACAGTTTCTGGATTACGTTTGGTGATCAGCTATCAACTGGGTCCGCCAGGCTCCAGGAAA GGGGCTGGAGTGGGTTGCTTTTCATTAGAAGCAAAGCTTATGGTGAGACAAGAGAATACGCCGCGTCTGTGGCAGGCAGATTACGCATCTCAAGA GATGATTCCAAAAGCATCGCCTATCTGCAAATGAACAACCTGAAAAACGAGGACTCGGCCGTGATTATTGTAICTCGAGAGGAAGGGTATCGGA GCACCTGGTACCGGAAATTTGACTTCTGGGGCCAGGGAACCTGGTCACCGTCTCCTCAG
005	p111w174	<i>IGHV</i>	ACAGCCAGGGCGGTCCCTGAAACTCTCTGTACAGTTTCTGGATTACCTTTGCTGATCAGCTATGAACTGGGTCCGCCAGGCTCCAGGAAAAG GGGCTGGAGTGGGTTGCTTTTCATTAGAAGCAAAGCTTATGGTGAGACAAGAGAATACGCCCGTCTGCTGGGAGGCAGATTTACCATCTCAAGAG ATGATTCCAAAAGCATCGCCTATCTGCAAATGAACAGCCTGAAAACCGAGGACACAGCCGTGATTATTGTAICTCGAGAGGAAGGCTATAGGAGC ACGTGGTACCGGAAATTTGACCTCTGGGGCCAGGGAACCTGGTCACCGTCTCCTCAG
005	p111w175	<i>IGHV</i>	CAGCTGCACCTGGTGAATCTGGGGGAGGCTTGGTCAGGCCTGGAGGGTCCCTGACACTCTCTGTGCAGCCTCCGGATTCAAGTTTAGTGCA TATTACATGAGCTGGATCCGCCAGGCTCCAGGGAAGGGTCTGGAGTGGGTTTCATATAAAGTAATACTGGGAATACCTTATATTATAACCTCT GTGAGGGGCCGATTACCATCTCCAGGGACAACGCCAAGAAGCTACTGTTTCTGCAAATGAACAGCCTGAGAGCCGAGGACTCGGCCGTCTATT ATTGTGCGAGAGATAGTGGGACCTATGAGTTGACCCCTGGGGCCAGGGAACCTGGTCACCGTCTCCTCAG
005	p111w176	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCTGCAAGGCTTCTGGATACACCCTCAGCGAC AACTTTTTGCACTGGGTTTCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGGCGGATCAACCCTAACAGTGGTGCCACAAACTATGCACTGA AGTTTCAGGCCAGGGTACGCATGACCAGGGACACGTCCATCAGCACAGCCTACATGGAGATGTACAGGCTTACATCTGACGACACGGCCGTGT ATTATTGTGCGAGAGATAAAGTAGGTTTTGGAGTGGCACACAGGTTCCGGATGGATGTCTGGGGCCAGGGGACCACGGTACCGTCTCCTGCC
005	p111w20	<i>IGHV</i>	GAGGTGCGCGTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGAGGGTCCCTGAGACTCTCTGTGCAGCCTCTGGATTACCTTCAGTAAG TATGAAATGACCTGGGTCCGCCAGGCTCCAGGTAAGGGGCTGGAGTGGATTTTCATATATTAGTACGGGGGTGACGCCACATACTACGCAGACT CTGTGAGGGGCCGATTACCATCTCCAGA
005	p111w21	<i>IGHV</i>	CAGGTGCACCTGGTAGACTCTGGCGGAGGCGTGGTCCAGCCTGGGGGGTCCCTGCGACTCTCTGTGCAGGCTCTGGTTTCATGTTCAATCTC AATAGTCTCCACTGGGTCCGCCAGGCTCCAGGCAAGGGCCTAGAGTGGGTGCGGATTATTTTCATATGATGGAAGTCAACAAAAATACACAGACT CCGTGAAGGGCCGATTACCATCTCCCGAGACAACCTCGAAGAACACACTGTATCTCCACATGGACAACCTCCGACCTGACGACACGGCTGTCTA TACTGTGTGAGGGATCGTTATAGTGGGAGTGAAGCCTCATATCTTACTATTGGAGTGGGGGAACTCCGGTACCGTCTCCTCAG
005	p111w24	<i>IGHV</i>	GAGGCGCAGCTGGTGCAGTCTGGAGCAGAGGAGAAGAAGCCCGGGAGTCTCTGAGGATCTCTGTGAGTATTCTGGAGACAGTTTTACTACC TACTGGATCGGCTGGGTGCGCCAGATGCCCGGAAAAGGCTGGAGTGGATGGGTATCATCTATCCTGGTACTCTGATAACCAGATACAGCCCG TCCTTCCAAGGCCAGGTCACCATCTCAGTCGACAAGTCCATCAGCACCCTACCTGCAGTGGGGCAGCCTGAAGGCTCCGACACCCGCCATG TATTATTGTGTGAGACATATGAGTACGACTTTTGGATACCTATCTGGCTACTACTACATGGACGTCTGGGCCAGAGGGACCACGGTACCGTCTC CTCA
005	p111w25	<i>IGHV</i>	GAATTCACCCACTTCTATATTTACTGGGTGCGACGGGCCCCCTGGACAAGGGCTTGAAGTGGATGGGGCGAATCAACCCTAATACTGGAGACACGA AATTTGCAGAGAAATTTACGGCAGGGTCACCATGACCAGGGACACGTCCACCAACACAGCCTACATGGAGCTGAACAGACTGACATCTGGCGA CACGGCCGTCTATTATTGTATGAAGGACTACGGTACTATGTTTGGGGTACTTCTGGGCCAGGGAACCCAGGTCTCCGTCTCCTCCG
005	p111w26	<i>IGHV</i>	CAGGTACAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCTGTGCAGCCTCTGGATTACGTTTCAGTAGA TTTGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCCAGAGTGGGTGGGAGTTATATCATATGATGGACGTAATAAATACTACGCGGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAACCTCCAGGACACTTTGTATCTGGAAATGAACAGCCTGAGAGCTGAGGACACGGCTCTCTA TTTCTGTGCGAGATCAGTGAATGACTACGGTGAACCGTATTTCTGTGACTACTGGGGCCAGGGAACCCAGGTACCGTCTCCTCAG
005	p111w3	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTTACTCCATCGGCAGT GGTTACTACTGGGGCTGGATCCGGCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGACTATCTATCATGATGGGAACGCCTACTTCAACCCG TCCCTCAAGAGTGCAGTACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACACACGGCCGTGT ATTTCTGTGCGAGAGACTACTATGACAGTAGTGGTTATTACCTTTACCCTTTGACTACTGGGGCCAGGGAACCCCTGGTACCGTCTCCTCAG
005	p111w35	<i>IGHV</i>	TGTTTAGGAGTTATGTCATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAACTATTACTGGAAGTGGAGGTACCACCA GGTACGCAGACTCCGTGAAGGGCCGGTTACCATCTCCAGAGACAACCTCCAAGAACACGCTGAATTTGCAAATAAATGGTCTGAGAGTCAAGA CACGGCCGTATATTATTGTCGACATGGAAGGGCCGCTACTCTTATTACATGGACGTCTGGGGCAAAGGGACCACGGTACCGTCTCCTCA



005	p111w37		<i>IGHV</i>	GAAGTGCAACTGGTGGAGTCTGGGGGAGGCCCTTATACAGCCTGGCAGGTCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTGATGCTT ATGGCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTGCGAGGTTAATTGCAATAGTGGTACCATAGAATATGCGGTCT CTGTGAGGGGCCGCTTCGCCATCTCCAGAGACAACGCCAAGGGCTTCTATATCTGCAATGAACAGTCTGAGACCTGAGGACACGGCCTTGT TACTGTGCAAAGGATCAGGTATTAGCGACCTACTACTCTTCGCTTTTTGACTCCTGGGTGAGGGAACCTGGTCACCGGTCTCTTCA
005	p111w39		<i>IGHV</i>	GGAGTCTCTGGCCTCGCCTTTAGCGGCTATGCCATGAGCTGGGTCCGCCAGACTCCAGGGAAGGCCCTGGAGTGGGTCTCCGCTATTAGTAAT ACTGGAGGTACCACATACTACGCAGACTCCGTGCAGGGCCGGTTCATCATCTCCAGAGACAATTCGCAGAACATGCTGTATCTGCAATGGACA CCCTGAGAGCCGAGGACACGGCCGTATATTATTGTGCGAGTTCTCGCTTCCGGGGGATATTACAACGATGGTTGTGGTCTACTGGGGCCG GGGAACCTGGTCACCGTCTCCTCAG
005	p111w43		<i>IGHV</i>	CAGGTACAGCTTGAAGGAGTCTGGTCTGTGTGTAAGCCACAGAGACCCTCACGCTGACCTGCACCGTCTCTGGTTTCTACTCACCGAT GCTAGAATGGGTGTGACCTGGATCCGTACGCCCCAGGGAAGGCCCTGCAGTGGCTTGCACACATTTCTCGAACGACGAAAAATCGTACACC CCATCTCTGAAGAATCGACTCACCATCTCCAAGGAC
005	p111w44		<i>IGHV</i>	TGCTGCCTCTGGATTACCTTTAGCAGCTATGCCATGAATTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAGTGGGTCTCTACTATTACTGCT AATAGTGACACCAGATATTACACCGACTCCGTGAGGGGCCGGTTCACCGTCTCCAGAGACAACCTCAAGAACATCCTCTATCTCAAATGAACAG CCTTAGAGTCGAGGACACGGCCCTATATTATTGTGCGCCATTCCCCGCGTATAGTCATGGACTCCCCAGAGAAGTGCTATTAACATATGGGGC CATGGGACAATGGTCACCGTCTCTTCA
005	p111w46		<i>IGHV</i>	CAGGTACAGCTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCCTCGCAGACCCTCTCACTCACCTGTGCCATCTCCGGGGACGCTGTCTCTAGC ATCAGTGTCTGTTGGAAGTGGTTCAGGCAGTCCCCCTCGAGAGGCCCTTGGTGGCTGGGAAGGACATACTACAGGTCCAAGTGGTATTTTATT ATGTCAGTATCTGTGAATAGTCGAATAACCATCAACCCAGACACATCCAAGAACCAGTTCTCCCTGCACTTGGATTCTGTGACTCCCGAGGACACG GCTCTTTATTTCTGTTCAAGAGACGACGGATTGAGTATTTTACTACTGGGGCCAGGGAACCTGGTCACCGTCTCCTCAG
005	p111w47		<i>IGHV</i>	AGGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTCAATTCATCAGTAGTGGTTTCTACTGGGGCTTCGTCGGCAGACCCCTGGGA AGGGCCTGGAATGGATTGGCAGTATCTATCGTTCTCAGGTCTCCTTCTACAACCCGTCAGTGAAGAGTTCAGTACCATGTGAGTACAGTGTCC AAGAATCAATTTCCCTAAGGATGAAGTCTGTGACCCGCGCAGACACGGCCGTCTATTACTGTACGAGACTATCAGGAGGAATGGGGGGCAG GAACGGCTACTTTGACTGGTGGGGCCAGGGAACCTTGGTCCGACTCTCTCTCA
005	p111w48		<i>IGHV</i>	CAGGTTCAACTGGTGCAGTCTGGAGGTGAGGTGAAGAAGCCTGGGGCCCTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTACACCTTACCCAAT ATGGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGGATGGATGGATGAGCCTTCCAATGGTCACACAACTATGCAGAGA AGTTCCAGGACAGAGTCACCGTGACCACTGATACATCCACGAGTACAGCCTACCTGGAGCTGAGGAGCCTGCGATCTGACGACACGGCCGTGT ATTACTGTGCGAGAGAGTTCGGTGACCACCTTCGTGGTACTCTTTTGATACCTGGGGCCAAGGGGCATTGGTCACCGTCTCTTCA
005	p111w5	40	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGGCTGGTGAAGCCTTCGGGGACCCTGACCCTCACCTGCGCTGTGCTGGTGGCTCCCTGAGAAG TAATACCTGGTGGACTTGGGTCCGCCAGCCCCAGGGAAGGGACTGGAGTGGATTGGAGAAATCTATCATACTGAGAGCACCAACTACAACCC GTCCCTCAAGAGTCGAGTACCATATCGATAGACGTGTCCAACAACCGCTTCTCCCTGACCTTGGACTCTGTGACCGCCGCGACACGGCCCTT TATTACTGTTCCGAGAGCGTCCAGTAGATCGGGATCATTGACTACTGGGGCCAGGGAACCTGGTCACCGTCTCCTGCA
005	p111w55		<i>IGHV</i>	GAAGTGCAGCTGGTGGAGTCTGGGGGAGCCTTGGTACAGCCTGGCAGGTCGCTGAGACTCTCCTGTGCAGGCTCTGGGTTACCTTTGACGAT TATGCCATGCACTGGGTCCGGCAAGCTCCCGGGAAGGGCCTGGAGTGGGTCTCAAGTATTGCTTGAATGGTGTGGCATAAGGCTATGCGGAC TCTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAAGTCCCTGTATCTGCAATGAACAGTCTGAGACCTGAGGACACGGCCCTTGT ATTACTGTACAAAAGCCGATGCCACAATTACCCCTGAATACTGGGGCCAGGGAACCTGGTACCGTCTCCTCAG
005	p111w57		<i>IGHV</i>	CTCTGGGTTACCGTCAGTAGCAACCACATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGCTGGAGTGGGTCTCAGTTATTTATACGGTGATA GCACACACTACGCAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACGTGTATCTTCAAATGAAGAGCCTGAGAGCC GAGGACACGGCCGTGTATTACTGTGCGAGAATGGAGTACCAATTGCAATCTTACTTCTACTACTACATGGACGTCT
005	p111w6		<i>IGHV</i>	GGGTCTTCACTGGTCACTTCTGGACCTGGATCCGCCAGCCCCAGGGAAGGGCTGGAGTGGATTGGGGAATCAATCATAGTGAAGCACC AATTATAATCCGTCCCTCAAGACTCGAGTACCATATCAGCGGACACGTCCATGAACCAGTTCTCCCTGAGGCTGAGCTCTGTGACCGCCGCGG ACACGGCTGTTTACTACTGTGCCAGATACTATCGATTACCACCTCGGTTCACTTATGATTCCGGGTACAACGCCTTGGACGTCTGGGGCCGAGG GACCACGGTACCGTCTCCTCA
005	p111w62		<i>IGHV</i>	CAGGTGCAGTTGCAGGAGTCGGGGCCCGGACTGGTTAAGCCCTCGGAGACCCTGTCCCTCACCTGCGCTGTGCTGGTGGCTCCTTCATTAAT TACTACTGGACCTGGATCCGGCAGTCCCCAGGGAAGGGACTGGATGGATTGGGTATATCTATAACACTGGGAGCACAATTACAACCCCTCCC TCAGGAGTCGAGTACCATATCAGTTGACAGGTCCAAGAGACTGTTCTCCCTGAAGCTGGACTCTGTGACCGCTCGGACACGGCCATGTATTA CTGTGCGAGAGGGGGTACTAATTATTTCCCACTACAACCTTACTACTGGGGCCGGGAGCCCTGGTCACCGTCTCCTCAG

005	p111w7	<i>IGHV</i>	GAAGTGCAACTGGTGGAGTCTGGGGGAGCCGTGGTACAGCCTGGGGGGTGCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTTGATGAT TATGCCATGAACTGGGTCCGGCAAGTTCCGGGGAAGGGTCTGGAGTGGGTCTCTTTTATTACTTTGGGATGGGGGTGGAAGATACTATGTGGACT CTGTGAAGGGTTCGATTACCATCTCCAGAGACAACAGCAAGAAGTCCCTGTATTTGGAAATGAACAGTCTGAGAACTGAAGACACCGCCTTGAT TACTGTGCAAGAGAAGTGGGGCATGGGGCTATGGTCTAGTGGTATTTCGTCGGGCTGGTATTTGATTTCTGGGGCCGTGGCACCCCTGGTCA CTGTCGTCCTCA
005	p111w8	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTAGTGACACCTTCAGCAGT CGTAATTAATCTTCTGGAGTTGGACCCGGCAGCCCCAGGAAGGAAACTGGAGTGGGTGGGCATGTCTATGCCAGTGGGGCCACCAATTACAAC CCCTCCCTGAAGGGCCGAGTACCATGTCAATGGACACGTCGAAGAGGCAGTTCTCCCTGAAGCTGAGCTCTGTGACCCCTGCGGACACGGCC GTCTATTATTGTGCGAGAGGTTGGAATCACAGTGAATACCCTGAGGAATACTGGGGCCAGGGAGCCCTGGTCAACCGTCTCCTCAG
005	p111w81	<i>IGHV</i>	ACTTCAGACAGGGGGCTGGAGTGGGTGGCAGTTATATGGTATGACGGCGGACAGAAAGCTTATGCAGAATCCTTGAAGGGCCGATTACCCGTC TCTCGAGACAATGCCAAGAACAAGTGGATCTGCAATGGACAGCCTGAGAGTCGAGGACACGGCTCTATATTACTGTGCAAAATATCGTCTTCC TTTTATGGTTCGGGGAGAAGTGCTCTTGATCTGTGGGGCCAGGGACAATGGTCAACCGTCTCCTCAG
005	p111w82	<i>IGHV</i>	GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGGGTCTGGATACAGCTTTACGAGG TTCTGGATCGGCTGGGTGCGCCAGATGCCCGGAAAGGCCTGGAGTGGATGGGGATCATCCATCCCGATGACTCTGATACCAGATACAGCCCG TCCTTCAAGGCCAGGTACCATCTCAGCCGACAAGTCCATCACCACCGCTACCTGCAGTGGAGCAGCCTGCAGGCCTCGGACACCGCC
005	p111w83	<i>IGHV</i>	GAAGTGGAGGTGGTGGAGTCCGGGGGAGGCTTAGTTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGTAGTCTCTGGATTCACCTTCAATGAC TACTGGATGCACTGGGTCCGCCAAGCTCCAGGGAAGGGGCTGGTGTGGCTCTCACGTATTAATATTGCTGGGACTGACATAAGGTACGCGGAC TCCGTGAGGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACACGCTGTATCTGGAATGAACAGTCTGAGAGCCGAGGACACGGCTGTG TATTACTGTGTAAGAG
005	p111w89	<i>IGHV</i>	CAGGTGCACCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCGTCTGGATTCACCTTCAGTGAC TATAGCATGCACTGGGTCCGCCAGTCTCCAGGCAAGGGGCTGGAGTGGCTGGCAGTTATATGGTATGACGGAAGTAATAAGTTCTATGCAGACT CCGTGAGGGGCCGGATCACCATCTCCAGAGACAACCTCAAGAACACGCTGAATCTGCAAAATGGACAGCCTGAGAGTCGAGGACACGGCTGTGT ATTTTTGTCCGAGAAACGGAGAATTGCCGCGTGGTGGTGTGTTGGTGGTAACTGTTACCTTGACTACTGGGGCCAGGGAACCCCTGGTCAACCGT CTCCTCAG
005	p111w92	<i>IGHV</i>	GAAGTGCAGCTGGTACAGTCTGCAGCAGAGGTTAAGAAGCCCGGGGAGTCTCTGAGAATCTCCTGTGAGGGTTCTGGATACAGCTTTACCGACT ACTGGATCGACTGGGTGCGCCAGGTGCCCGGAAAGGCCTGGAGTGGATGGGAGGATCGATCCTAGTGACTTTATACGTACTACAACCCGT CCTTCCAAGGCCACGTCTCCATCTCTACTGACAAGTCCATCAGCACTGCCTACCTACAGTGGAGCAGCCTGAAGGCCCTCGGACACCGCCATTTA TACTGTGCGAGACATGACAAGTCCCAACTGCTTTACGTTGCCCTGGTTCGACCCCTGGGGCCAGGGAACCCCTGGTCAACCGTCTCCTCAG
005	p111w93	<i>IGHV</i>	AGGCACCCCCAGCAGTTTTGCTATCAGCTGGGTGCGACAGGCCCTGGACACGGGCTGAGTGGATGGGAGGAATCATGCCTATGTTGGGGAC ACCAAATTACTCACAGAAGTTCCAGGGCAGAGTACAGATTACGGCGGACAATCCACGAGCAGCCTACATGGAGCTGAGCAGCCTGACATCT GAGGACACGGCCGTGATTTCGTGTGCCGGCCACAGTTGGGTGCCGCTACGGTGACTCACTACTACTTCCGGTATGGACGTCTGGGGCCAA GGGACCACGGTCAACCGTCTCCTCA
005	p111w97	<i>IGHV</i>	CAGGTTCAAGTTGGTGCAGTCTGGAGATGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCCTCTGTTACATGTTTACAAGAT ATGGTATCAGTTGGGTGCGACAGGCCCTGGGCAAGGATTTGAGTGGATGGGATGGATCAGCGGTTATAATGGAAATACAGAATATGCACAGAA GTTCCAGGGCAGAGTCAACCGTGACCAAAAGACACAGCCACGACCACGGCCTACATGGAGGTGAGGAGCCTCAGATCAGACGACAGCCGTTTA TTATTGTGTGAGAGACCGGATGGGTCCATTTCCATAGCATCGCGGATGATGCTTTTGATATTTGGGGCCAAGGGACAATGGTCAACCGTCTCCT CAG
005	p112w100	<i>IGHV</i>	TAAAGAAGCCTGGGTCTCGGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCACCTTCACCAGCTTTGAAATCAACTGGGTGCGACAGGCCCTG GACAAGGCCTTGAGTGGATGGGGGGGTCTCCTCCTGTCTTTTACATACAGCAAGCTACGCGCAGAAATTCAGGACAGACTCACCATTACCGCGG ACAAGTCCACGGGCACAGTTTACATGGACCTCAGCAGCCTGACATCCGAGGATACGGCCTTTTATTACTGTGCGAGCCCCACCCATCAATTCGA TTTTGGCTACTGGGGCCAGGGGACCCCTGGTCAACCGTCTCCTCTG
005	p112w101	<i>IGHV</i>	GAGGCGCAGCTGGTGGAGTCCGGGGGAGGCTTAGTTACAGCCTGGGGGGTCCCTGAGTCTCTCCTGTGAAGCCTCTGGATTCACCTTCAGTAGG TACTGGATGCACTGGGTCCGCCAAGCTCCAGGGAAGGGGCTGGTGTGGGTCTCACGTATTAAGTCCGGATGGGACTGTACAGGCTACGCGGAC TCCGTGAAGGGCCGATTACACAGTCCAGAGACAACGCCAAGAACACGGTGTATCTGCACATGAACAGTCTGAGAGCCGAGGACACGGCTGTG TATTTCTGTGCAAGAGATTTGATTTTTGAGTGTCTCTGGGGCCAGGGAACCCCTGGTCAACCGTCTCCTCAG
005	p112w104	<i>IGHV</i>	GACGTGCAGCTGGTGCAGTCTGGAGCAGGGGTGAAGAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGGTTCTGGATACAGTTTTCCCAAC TACTGGATAGGCTGGGTCCGCCAGATGCCGGGAGAGGGCCTTGAGTGGATGGGGGTCTCCACCCTGACGACTCTGAGAGCAGATACAGCCC GTCCTTCGAGGGCCAGGTACCATCTCAGCCGACAAGTCCATCAACACTGCCTACCTGCAGTGGAGCAGCCTGAAGGCCTCGGACAGCGCCAT GTATTATTGTGCGTTGGCTCTGACCTACAGAGACTACGGCTTGGACTACTGGGGCCAGGGAACCCCTGGTCTCCGTCTCCTCAG

005	p112w109	<i>IGHV</i>	GACGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATCGTCCCTTTGACTTC TATGCCGTGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGGCATAAGTGGCAGTGGTGCTAGCACATACTACGCGGA TTCCGCGAAGGGCCGGTTACCATCTCCAGAGACAATCCAAGAACACACTGTATCTCCAGATGAATAGCCTGAGAGCCGAGGACACGGCCGTT TATTACTGTGCGCAAGTTGGACGGGACCAGTGGGTGGCCCCCTTCCACTTCCAGTACTGGGGCCAGGGCACCCCTGGTACCCTGTCTCCTCA
005	p112w111	<i>IGHV</i>	CAGGTGCAGCTGGTGCAATCTGGGTCTGAGTTGGAGAACCCTGGGGCCCTCAGTGAAGTTTCTGCAAGGCTTCTGGATACACCTTCAGTGACC ATGTTATAAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGATG GAGATACAGCTGGTGCAGTCTGGCGCAGAGGTGAAAATGCCCGGGCAGTCTCTAACAATCTCCTGTAAGGGTCTGGATACAACTTTAGA ACTTACTGGATCGCCTGGGTGCGCCAGATGCCCGGAAAGGCCTGGAGTGGATGGGGATCATCTATCCTGATGACTCTGATACCAATACAGCCCT CCTTCCGAGGCCAGGTACCATCTCAGCCGACAAGTCCACCAGTACCGCCTACCTTCAGTGGGGCAGCCTGAGGGCCTCGGACACCGCCATGT ATTACTGTGCGAGAGGGGGGCATGGGGCAAAACAATATTTGAGCTGGTATTCCCATAGGCCCTTTGATGTCTGGGGCAAGGGACAGCGG TCACCGTCTCTTCAG
005	p112w112	<i>IGHV</i>	ACCGCGCAGGTGGCGGAGTCTGGGGGAGGCTTCGTCCAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCGCCTTTAGCAG CGATTGGATGAACTGGGTCCGCCAGACTCCAGGAAAGGGGCTGGAGTGGGTGGCCATATAAAGCCAGATGGAAGTGAGAAGTTCTATTTGGC CTCTGTGAAGGGCCGATTACCATCGCTAGAGACAATGGCGACAGGACACTGTATTTACACATGAACAGCCTGAGACCCGAGGACACGGCGAT GTATTACTGTACTATAGGCCATTATCGAAATGTCTGGGGCCCGGAAACCCTGGTCACCGTCTCCCCG
005	p112w114	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGTCTTCGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGTAGGCTCTGGATTACCTTCAGTAGT TATGAAATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGCTTTCATCTATTAATAATATTGCTAGTACTATAGATTACGCAGACTC TGTGAAGGGCCGGTTACCATCTCCAGAGACAACGCCAAGAGCTCACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTTTAT TACTGTGCGAGAGGGAATCAGGGTTGGGGGAGTTATGACCTTGACCACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p112w119	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGTCTTCGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGTAGGCTCTGGATTACCTTCAGTAGT TATGAAATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGCTTTCATCTATTAATAATATTGCTAGTACTATAGATTACGCAGACTC TGTGAAGGGCCGGTTACCATCTCCAGAGACAACGCCAAGAGCTCACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTTTAT TACTGTGCGAGAGGGAATCAGGGTTGGGGGAGTTATGACCTTGACCACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p112w126	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGTAGCCTCTGGACTCAGCTTAAATACC TATGCCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGGTATTAGTGGTAGTGGTGGCAGTACACACTACGCAGAC TCCGTGAAGGGCCGGTTACCATCTCCAGAGACAATCCAAGAACACGCTGTATTTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTAT ATTACTGTGTGAGAGATCGCGTAGGAGTGGCTGGTACTTTTGCATACTTTCAGCACTGGGGCCAGGGCACCCCTGGTCACCGTCTCGTCA
005	p112w127	<i>IGHV</i>	GAAGTGCAGCTGGTGCAGTCTGGAGCAGAAGTGAGAAAGCCCGGGGAGTCTCTGACGATCTCCTGCAAGACTTCTGGAAGTAGCCTTAGCACC GAGCGAATCGGCTGGGTGCGCCAGATGCCCGGAAAGGCCTGGAGTGGATGGCCTATATTGATCCTCGTACTCTTACACCATGTACAGCCCG TCCTTCGAGGCCACGTACCGTTTCAGCCGACAAGTCCACCAGGACTGTCTACTTACACTGGGGCAGCCTGAAGGCCTCGGACACCGCCACA TATTTCTGTGCGAACTATAAAGGCCCGATGCAGATTGCGGGCAGTCTTGACTTTTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
005	p112w129	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGCAGCCTTCGGAGACCCTGTCCCTCACTTGCAGTGTGTCTGGTGCCTCCCTCACTTAT TACTACTGGAGCTGGATCCGGCAGTCCCCAGGGAAGGGGCTGGAGTGGATTGCATATATCTATTACAGTGGGAGCACCAACTACAATCCCTCCC TCAAGAGTGCAGTCTCCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAACTGAACTCTGTACCGCTGCGGACACGGCCGTCTATTAC TGTGCGAGGGGGGTTCCGGGAGTTGATTATTTGACTACTGGGGTCCAGGGAACCCTGGATCAGCCGGCCCTC
005	p112w135	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACAGGTGAAGCCGTCCGAGACGCTGTCCCTCAATTGCGTTGTCTCTGGCTATTCCATCGCGAGT GGTACTTCTGGGGCTGGTTCCGTGAGCCCCCTGGGAAGGGTCTGGAGTGGATTGGGAGCGTCCATGATAGCGGGGAGCACCTATTCCAACCCG TCCCTCCAGAGTCCGCTACCATTTTCAGTAGACTCGTCCAAGAATCAATTCCTCCCTGCGGCTGAGGTCTGTGACCGCCGAGACACGGCCACAT ATTTCTGTGCGAGAGATCCCTTCTGTGCTTATGTTACCTGCCACATGCGTGACGACTGGCGGACTCCTGGGGCCAGGGAACCCTGGTCACCGT CTCCTCAG
005	p112w136	<i>IGHV</i>	GAGGAGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCGGGGGGTCCCTCAGACTCTCCTGTGCAGCCTCTGGATTCACTTTAGGAAC GTCTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCGTCAATAAAAGCAACGATGACGGTGGGACAACAGACTA CGCTGGACCCTTAAAGTCAGATTACCATCTCAAGAGATGATTCCAAAACACAGTGTATCTACAGATGAACGACCTGAAAGCCGAGGACACAG CCGTTTATTACTGTACCACATGGACTGCCTACTGGGGCAAGGAACCCTGGTCAACCGTCTCCTCAG
005	p112w146	<i>IGHV</i>	CCAGGCCTCTGGTTACAATTTAACACCCATGGAATCAGTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGGTGGGATGGATCAGCGT TTACAATGGGAACACAACACTATGGACAGAAGTTCCAGGGCAGAGTCAACATGACCACAGACACATCCACGAGCTCAGTCTACATGGAGTTGAGG AGCCTGAGATCTGACGACACGGCCGTATATTACTGTGCGAGAATGGAGTATTGTAGTGGTGGGTGCTTCGATTACTATGATAGTAGTGGCGACC TGGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA
005	p112w159	<i>IGHV</i>	GAAGTGCAGCTGGTGGAGTCCGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTGAGACTCTCGTGTGTAGCCTCTGGATTACCTTTGAGGAT TATGGTATATATTGGGTCCGGCAGGTTCCAGGGAAGGGCCTGGAGTGGGTCTCAAGAATTGATTGGAATAGTGGCAGGACAGCTTATGCGGACT CTGTGAAGGGCCGATTCACTATCTCCAGAGACAACGCCAAG

005	p112w162	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTCGT TACTACTGGAGCTGGCTCCGGCAGTCCCCAGGGAAGGGACTGGAGGTGATTGGCTGTATCTATGACAGCGGGAGCACCAACTACAACCCCTCC CTCAAGAGTCGAGTCACCATGTGAGTTGACCCGTCCAACAGCCAGTTCTCCCTGAGGCTGACTTCTGTGACCCGAGTGGACTCGGCCGTATATT ACTGTGCGAGAGCTGGGGACTGGAACCTACGACACCTGATCACTGGGGCCAGGGAATCCTGGTCACCCGTCTCTGCAG
005	p112w163	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCGGGGGTCCCTGAGACTCTCCTGTACAGCCTCCGGATTACACCTTTTCGCAG CTATGTCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGGTATTAATCCTGGTGGTGGCAGCACAAACAACGCAGA CTCCGTGAAGGGCCGGTTACCATCTCCAGAGACAATTCCAACAACACCCATATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCATA TATTACTGTGCGAAATGGAAGGGCGGCTATTACTATTACTTGGACGTCTGGGGCAAAGGGACCACGGTCACCCGTCTCATCA
005	p112w164	<i>IGHV</i>	GAGATGCAGGTGGTGGAGTCTGGGGGAGGCTTCGTACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGAATTCATCTTCAGTAATT CTGAGATGAATTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATTTTCATATATTAGTAGTGGCGGTTCTGTGCATATATACCCGAGACTC TGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAATTCAGTGTCTGCAAATGAACAGCCTGAGAGTCGAGGACACGGCTGTTTTATT ACTGTGCGAGAGAGAGGATTACCGGATTCTACCGATACATGGACGTCTGGGGCAAAGGGACCACGGTCACCCGTATCCCCA
005	p112w167	<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGTGTCTATCGTGGGTCCCTCAATAATT ATTACTGGAGCTGGATCCGCCAGACCCAGGGAAGGGGCTGGAGTGGATTGGGGAAATCTTTTCTAGTGGAAAGCACCAAGTACAACCCGTCCC TCAAGAGTCGAGTCACCATATCAGTAGACACATCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCCGCCGCGGACACGGCTGTATATTA CTGTGCGAGAGTCCGAGGGGGGGATCTACCGTCAATACCTAGCTTTGACTCCTGGGGCCAGGGAACCCTGGTCACCCGTCTCCTCAG
005	p112w168	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCCGGGGGAGGCTTGGTCCAGCCTGGGGGTCCCTGACACTCTCCTGTGCAGGCTCTGGGTTTCCTTCAGTGC CTCTGAAATGCACTGGGTCCGCCAGGCTTCCGGGAAAGGGGCTGGAGTGGGTGGCCGTATTAGAAAGCAAAGTTAATGATTACGCGACGGCACA TGCTGCGTCACTGAAAGGCAGGTTACCATCTCCAGAGATGATTCACAGAACACGGCCATCTGCAAATGAACAGCCTGAAAACCGAAGACACG GCCGTCTATTACTGTACTCCAATAAATACTATGATAGTAGTGGTTAAGTACTACTACGGTCTGGACGTCTGGGGCAAAGGGACCACGGTCA CGTCTCCTCG
005	p112w17	<i>IGHV</i>	GAGGTGCAACTGTTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGGGAGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAATAAC TATAACATGAAGTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTTCCGTTAGTGTCAATTAATAACATAACTATGCAGACTCAGT GAAGGGCCGATTACAGTATTTCCAGAGACAACGCCAAGAACTCACTGTATCTGCAAATGAACAGCCTGACAGCCGAAGACACGGCTGTGATTAC TGTGCGAGA
005	p112w172	<i>IGHV</i>	GAGCTGCAGCTGGTGAATCTGGAGGAGCCTTGATCCAGCCTGGGGGTCCCTGAGACTCTCCTGTGTAGCCTCTGGGTTCTTCGTCAGTAATA ACTACATGATGTGGGTCCGCCAGGTTCCAGGGAAGGGGCTGGAGTGGGTCTCAGTTATTTATAGTGGTGGTAGCACATACTACGCAGACTCCGT AAAGGGCCGATTACCATCTCCAGAGACAATCCAGGAACACGCTGTACATTCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGATTAC TGTGCGGAGGGGGCCCCAGTTACCAATTTGGATTCTACTACTACATGGACGTCTGGGGCAAAGGGACCACGGTCACCCGTCTCCTCA
005	p112w174	<i>IGHV</i>	CAGGTGGAATTGGTGGAGTCTGGGGGAGGCTTCGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCAGGATTCACCTTCAGTGAC TACTTCATGACTTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTATCATACATTAGTCGAGGTGGAAGTTACACAAAGTACGCAGACT CTGTGAGGGGCCGATTACCATCTCCAGAGACAACGCCGACAACTCACTTTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTCTA TACTGTGCGAGAGATAGTCCCCATTATATTGTGATCGTTCTAACTGCTTCTACTACTACTACATGGACGTCTGGGGCAAAGGGACCACGGTCA CCGTCTCTTCA
005	p112w175	<i>IGHV</i>	GCCTGCAAGACTTCTGGATACACCTTACCACCTACTATATACACTGGGTGCGACAGGCCCTGGACAAGGGCTTGGATGGATGGGACGGATCA ACCCTACCGTTGGTGTACATACTATGCACAGAACCTTTCAGGGCAGGGTCACCATGACCTTGGACACGTCCATAACCACAGCCTACATGGAGCT GAGCAGTCTGACCTCTGACGACACGGCCGTGATTTCTGTACGAGAGGGGTCTACGGTGGCCCTTTGACTATTGGGGCCAGGGATCCCTGGT CACCGTCTCCTCAG
005	p112w176	<i>IGHV</i>	GAGGTGCAGCTGGTAGAGTCTGGAGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCAGGATTCACCTTCAGTCGC AGCTACATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGGTCTCAATTTATAGTATTGGTTCGACATACTACGCGGACTCCG TGAAGGGCCGATTACCATCTCCAGAGACAATCCAAGAACACGCTGGATCTTCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGATTA CTGTACAAAAGATCCCGCACCTTTTTGGAGTGGTTTTCCAACCTTTTCCCTCTGGGGCCAGG
005	p112w178	<i>IGHV</i>	GGGACAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTGATTATGGAATGACCTGGGTCCGCCAGGCTCCAGG GAAGGGACTGGAGTGGATTTTCATATATTAGTAGTAGTGGCATAATCATAAAGTACGCAGATTCTGTGAAGGGCCGATTACCATCTCCAGAGACA ACGCCAAGAACTCACTCTTCTGCAGATGAACAGCCTGAGAGCCGAGGACACGGCTGTTTTACTGTGCGAGAGAAAAAGGATATAGGTATGG TTCCTCTATTACTACTACTCCATGGACGTCTGGGGCAATGGGGCCACGGTCACCCGTCTCCTCA

005	p112w25		<i>IGHV</i>	CAGGTGCATCTACATGAGTCGGGCCCAGGACTGATGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCGTCAGCAGC CGTGCTTACTACTGGAGCTGGATTCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGACATATTTATTACAGTGGGAGCACCAATTACAGCC CCTCCCTCCAGAGTCGAGTCACCCATCAATTGACACGTCCAAGAACCAGTTCTCCCTGAAGTTGAACTCTGTGACCGCTGCGGACACGGCCCT ATATTACTGTGCGAGATCTGACGTTTTACGATATTTGACTGGTCAATTATTGGTACTTCGATTCTCTGGGGCCGCGGCACCCAGGTCACTGTCT CCTCAG
005	p112w26		<i>IGHV</i>	CAGGTGCACCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCTCCTGCACTGTCTCTGGTACTCCATCGACAGC GGAACCTACTACTGGACCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGAAATGTCTATTATAGTGGGACCACCAACTACAACC CCTCCCTCGGGAGTCGAGTCAGGATATTACTCGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAACTCCGTGACCACTGCGGACACGGCCGT GTATTTCTGTGCGAGAGATCGACTGTTTTGTAGTAGTGTGAGGTGCTATGATTACTACCAGATGGACGTCTGGGGCAAAGGGACCACGGTCACC GTCTCCTCA
005	p112w3		<i>IGHV</i>	TTTTGGATACACCCTCACCGGCTACTATATGCACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGACGGATCAACCCTAACACT GGTGGCACAGTCTCTGCACAGAAGTTTCAGGGCAGGGTCAACATGACCACGGACACGTCCATCAGCACAGCCTACATGGAGCTGAGCAGGCTG AGATCTGACGACACGGCCGTCTATTACTGTGCGAGAG
005	p112w30		<i>IGHV</i>	CTGAGGTGCAGAGGCCTGGGGCCTCAGTGACGGTCTCCTGCAAGCCTTCTGGATACACCTTCACCGACTACTATATGAGCTGGGTGCGACAGG CCCCTGGACAAGGGCTTGAGTGGATGGGACGGATCAACCCTAGCAGTGGTGCCACAGTCTATGCACCGAAGTTTCAGGGCAGGGTCAACCATGA CCAGGGACACGGCCATCGACACATTTACATGGAGTTGAACAGCCTACAATCTGGCGACACGGCCGTCTATTATTGTGCGAGAGATTTCTCTATT CGATTTTTACCCGACCGACCGTGGTTCGACCCCTGGGGCCAGGGGACCCTGGTCTCCGTCTTCCTCA
005	p112w36		<i>IGHV</i>	CAGGTTACCTGGTGAATCTGGAGCTGAGGTGCAGAAGCCTGGGGCCTCAATGAAGTCTCCTGCAAGGCCTCTGGTTACACCTTTACCAGCT ATGATATTAGTTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAAGGATCAGCGTCTACAATGGTAACACAAAATATGCCAGAA GTTCCAGGGCAGAGTCACTATGACCACAGACACATCGACGATGACAGCCTACGTGGAAGTGGAGCCTGAGATCTGACGACACGGCCGTGTA TTTCTGTGCGAGAGA
005	p112w37	50	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCAGGGCGGTCCCTGAGACTCTCCTGTACAACCTTCTGGATTCACTTTCCGGTAT TATGCTATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAGCCTTATGGTGGGACAACAGATTAC GCCGCGTCTGTGAAAGGCAGATTACAGCATCTCAAGAGATGATTCCAAAGGCATCGCCTATCTGCAGATGAACAGCCTGAAAACCGAGGACACAG CCGTGTATTATTGTAGTAGACCCTCGGGAATCTCTATAAATTCGGGGAGTTCAAACACTTTTTGATATTTGGGGCCAAGGGACAATGGTCAACCGTC TCTTCAG
005	p112w44		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCGTCTGGATTACCTTCACTAGC TATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATGGTATGATGGAACCTAATGAATACTATGCAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCGAAGAACACGCTGTATCTGCAAAATGAGCAGCCTGAGAGCCGAGGACACGGCTGTGTA TTACTGTGCGAGAGATTTAGAACCCTAGTAGTAGAAGTTGCTTTTGCCCACTACTACTACGGTATGGATCGTCTGGGCCAAGGGACCACGGTCA CCGTCTCCTCA
005	p112w46		<i>IGHV</i>	CAGGTGCAGCTGGTGCACCTCTGGGCCTGAGGTGAAGAAGCCTGGGGACTCAGTGAGGGTCTCCTGTAAGACTTCTGGATACACTTTTCACTGACT ATTGGATGCACTGGGTGCGCCGGGCCCTGGACGAGGGCTTGAGTGGTTGGGCCAGATCAACCCTAACAGTGGCCGCACACACTATGCAGGG AACTTTGAGGGCAGGGTCAACATGTGAGGGACACGTCCATTAAGACAGCCTACTTGAACCTGAAAGCCTGACTTCTGACGACACGGCCGTCT ATTATTGTGCGAGGGGCCAGCCCATTCAGTTTGGGGACTCTTCGCCCACTCGAATTTTGGGGCCAGGGAACCCTGGTCAACCGTCTGCCTCA
005	p112w5		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCGTCAGTCCT TATTTCTGGAGTTGGATCCGGCAGCCCCAGGGAAGGGCTGCAGTGGATTGGCTATATCTCTTTAAGTGAAGGTATCAACTACAATCCCTCCCTC AAGAGTCGAGTCACCATATCACTTGACACGTCCAAGAATGAGTTCTCCCTGAGACTGACCTCTGTGACCGCTGCAGACACGGCCGTCTACTATTG TGCGAGAGACTCGAGGCCGGGCGTTCACCTTTTTGATCTCTGGGCCTAGGGACAATGGTCAACCGTCTCTTCAG
005	p112w55		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGTCAGGTGAAGCCGTGGAAACCCTGTCCCTCACTTGCAGGTGTCTCTGGTTATTCCATCATTAGT GGCTACTTCTGGGGCTGGATTCGGCAGTCCCCAGAGAAGGGGCTGGAGTGGATTGGGAGCGTCCATGAAAGTGCAGGGTATTTACTATAATCCG TCCCTCACAGTCGCCTCAGAAATATCGTTAGACACGTCCAGGAACACAGTCTCTTTGAGGCTGAACTCCGTGACGCGCCGAAAGACACCGGCGTCT ATTACTGTGTGAGGGGATGCACAATTTTCACTGCCATGGCAGATGGGGGTTTCGGCCCCCTGGGGCCAGGGAATTCGGTCAACCGTCTCCTCAG
005	p112w59		<i>IGHV</i>	CAGGTACAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGTACTGTCTCTGGTGCCTCCATCAGTAAT TACTACTGGACGTGGATCCGGCAGCCCCAGGGAAGGGACTGGAATGGATTGGATATATCTATAACAATGGGAACACCAACTACAACCCCTCCC TCAAGAGTCGAGTCACCATATTAGTAGACAAGTCCAACAACTATTGTCCCTGAAAGTGAAGTCTGTGACCGCGCGGACACGGCCGTGATTAT TGTGCG

005	p112w6		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGCAG CTATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTAGAGTGGGTGGCAGTTATATCATATGATGGAAGTAAAGAATACTACGCAGAC TCCGTGAAGGGCCGATTCCACATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGAGCTGAGGACACGGCTGTGT ATTACTGTGCGAGAGA
005	p112w69		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGAGGAGGCTTGGTAAAGCCGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTTT GCCTGGATGAACTGGGTCCGCCAGGCTCCGGGGAAGGGGCTGGAGTGGGTGGCCGCATTAAGGGCAAACTGATGGTGGAGACAACAGACTA CATTGCACCCGTGAAAGGCAGATTTCATCATCTCAAGAGATGATTCAAAAAGACGCTGTATCTGCAAATGAACAACCTGAGAACCCGAGGACACAG CCGTGTATTACTGTACCCCA
005	p112w7		<i>IGHV</i>	AGTTCAGTCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTAACACTGGATGCACTGGGTCCGCCAAGCTCCAGGA AAGGGGCTGGTTTGGGTCTCACGTATTAGCAGTGTGTGAGAACCATAGGCTACGCGGAGTCCGGTGAAGGGCCGATTCCACATCTCCAGAGAC AACGCCAAGAACACACTCTATCTGCAAATGAACAGTCTGCGAGCCGAGGACACGGCTGTGTATTACTGTGTGAGAGATTCGGACTATATAGTCG TGAAGTGTACGTTCCCACTTTGGGTCACTGGGGCCAGGGAACCTGGTCAACGCTCCGCGAG
005	p112w81		<i>IGHV</i>	GGAGCCTGGGTCTTCGGTGAAGTCTCCTGCAAGACCTCCGGGGTCAACCCCGCCAGCCATGCCATCACCTGGGTGCGACAAGGCCCTGGAC AAGGCCCTGAGTGGTTGGGGCGCATCATCCCTGTCTTGGGACAGCCACCTACGCACAGAAATTCAGGGTGCAGTGACGATTACCGCGGACA AATCCACCAGTACAGTCTACATAGAATGAACAGCCTGCGATCTGACGACACGGCCGTATATTACTGTGCGAGAGTGTGGGTCCAGTATTACGCT ATGGACGTCTGGGGCCAAGGGACCACGGTCTCCGTCTCTCA
005	p112w82		<i>IGHV</i>	AATAATCAACACTAAAGGTGGTAGCACAATCAACGCACAGAAGTTCAGGGCAGAGTCGACATGACCAGGGAGACGTCCACGGGCACAGTCTAC ATGGAGCTGAGCAGCTGAGATCTGAGGACACGGCCATTTATTATTGTGCGAGAGATGAAGCGGTGGGGTATTGTGGTGGTACTGTTCCCTG AATATTGGGGCCAGGGAACCTGGTCAAGCCGTCTCTCA
005	p112w93	42	<i>IGHV</i>	GAGGTGCAGCTGATGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTTAGGAAC TATGCCATGAACTGGGTCCGCCAGGCTTCAGGGAAGGGACTGGAGTGGGTCTCATCTATTAGATCTGGGGTACTGGCACATACTACGCAGACT CCGTGAAGGGCCGGTTACCATCTCCAGAGACAATTACGGGAACACGCTGTCTCTGAAATGAGCAGCCTGAGAGCCGAGGACTCGGGCATT ATTACTGTGCGGCCTCCCGATTACTCTGATTACTACTACTACGGTCTGGACCTCTGGGGCCAAGGGACCACGGTCAACCGTCTCTCA
005	p112w97		<i>IGHV</i>	CAGGTGCACCTGGTGGACTCTGGCGGAGGCGTGGTCCAGCCTGGGGGGTCCCTGCGACTCTCCTGTGCAGCCTCTGGTATCGTCTCAATCTC AATAGTCTCCACTGGGTCCGCCAGGCTCCAGGCAAGGGCCTAGAGTGGGTGGCAATTATCTCATATGATGGAAGTCAACAAAAATACGCAGACT CCGTGAAGGGCCGATTACCATCTCCCGAGACAATTCCAAGAACACACTGTATCTCAAATGAACAACCTGCGACCTGACGACACGGCTGTCTA CTATTGTGAGGGATCGTTATAGTGGAGTGAAGCCTCATATCTTGACCATTGGAGTGGGGGAACACGGTCAACCGTCTCTTAG
005	p109w100		<i>IGLV</i>	CAGTCTCTTCTGACTCAGCCACCCTCAGCCTCTGGTGCCCGGACAGAGGGTCAACATCTCTTGTCTGGAAGGAGCTCCAACATCGGAAGTA GCTATGTCTACTGGTACCAGCAGCTCCAGGAAACGGCCCAAACTCCTCATCTGTAACAACAATCAGCGGCCCTCAGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCTGCCTCCCTGGCCATCACTGGGCTCCGAGGATGAGGCTGATTACTGTGCAACATGGGATGAC AGCCTGGGTGGTCCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p109w107		<i>IGLV</i>	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTCAACATCTCCTGCACTGGGAGCCTCTCCAACATCGGGAC AGGTTATGATATACACTGGTACCAGCAGGTTCCAGGGACAGCCCCAACTCCTCATCTTTGGTGACACCAATCGACCCTCAGGGGTGCCTGAC CGATTCTCTGGCTCCAAGTCTGGCACCTCAGCTTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTACTGCCAGTCTATG ACAGCAGCCTGAGAGCTTATGTCTTCGGAACCTGGACACGGTCAACCGTCTCA
005	p109w108		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCCTCTGGGACCCCGGGCAGAGGGTCAACATCTCCTGTTCTGGAAGCAGTTCCAATATCGGAGATA ATACTGTAAGTGGTACCAGCAGCTCCAGGAACGGCCCAAACTCCTCATTTATGATAATGATCAGCGGCCCTCAGGGGTCCCTGGCCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTACTGTGCAACCTGGGATGAC AGCTGCTCGTATATTCCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p109w109		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTAACGTTGGTGCTT ATGATTATGTCTCCTGGTACCAACAACACCCAGGCACAGCCCCAACTCATGATTATGAGGTGAGTAAATCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTGGGCTCCAGGCTGAGGACGAGGGTCAATTATTATGCACTCATATACAA CCAGTAGCAATCTCGATGTGTATTCCGGCGGAGGGACCAAGCTGACCGTCTAA
005	p109w111	62	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCCTCTGGTACCCCGGGCAGAGGGTCAACATCTCTTGTCTGGAAGCAACTCCGATATCGGAAGTA ATTATGTGACTGGTACCAGCAGTTCCAGGAACGGCCCCAACTCCTCATCTATAAGGATAATCAGCGGCCCTCAGGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTACTGTGTGGCATGGGATGA CAGCCTGAGTAGTCCGGTATTCCGGCGGAGGGACCAAGCTGACCGTCTAA

005	p109w115	<i>IGLV</i>	AGAAATGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGCCAGGTTT AGTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTCAGCAGTATAATAACTG GCCTCGGACTTTTTGGCCAAAGGGACCAAGCTGGAGATCAAAC
005	p109w118	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCTGTCCACATCTCCTGCACTGGATCCAGCAGTACCTCGGTAGTT ATAATTATGTCTCCTGGTACCAACAACCTCCCCGGCAAGGCCCCCAACTCCTGATTTATGACGTCAATAAACCGGCCCTCAGGGGTCCCGATCGCT TCTCTGCCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGACTGACGATGAGGCTGATTATTATTGCGCCTCATTTGCCGG TTACAACAACCTAAGACTCTTTGGCGGAGGGACCAAGTTGACCGTCTAG
005	p109w126	<i>IGLV</i>	GATGTTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGTCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCGTATACA GTGATGGAGGAACCTACTTGAGTTGGTTTCAGCAGAGGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAGGGTTTCTAATCGGGACTCTGGGGT CCCAGACAGGTTTCCAGCGCAGTGGGTCAGGCACTGACTTCACACTGAAAATCAGCAGCGTGGAGGCTGAGGATGTTGGGATTTATTACTGCGT GCAAGGGACACACTGGCCGTGGACGTTCCGGCCAAAGGACCAAGGTGAAATCAAAC
005	p109w127	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCCAGCATCTGTGGGAGACAGCGTACCATAACTTGCCGGGCAAGTCAGACCATTAGCACCT TTGTGAATTTGGTATCGGCATAGACCTGGGAGAGGCCCTGAACTCCTGATCTATGGTGCATCCACTTTACAACGTGGGGCCCCATCAAGTTTCCAG TGGCGGTGGATCTGGGACAGAGTTCACTCTGACCATCAGCGCCCTGCAGCCTGAAGATTTTGAACCTTACTCCTGTCAACAGAGTTTCACTACC CCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
005	p109w130	<i>IGLV</i>	CAGTCTGTATTGACTCAGCCACCCTCAGCCTCTGCTACCCCCGGGCGAGAGGGTACCATCTTTGTTCTGGAAGTAACTCCAACATCGGAAGGA ATTATGTGACTGGTACCAGCAGTCCCAGAACCGGCCAACTCCTCATCTATGAGAGTGATCAGCGGCCCTCAGGGTCCCTGACCGATT CTCTGGCTCCAGGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGTTTATTACTGTGTGGCATGGGATGA CAGTCTGAGTGGTCCGGTATTCGGCGGAGGGACCAAAATGACCGTCTAG
005	p109w135	<i>IGLV</i>	CAGGCTGTGGTGAGTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTTTACCTGTGGCTCCAGCACTGGAGCTGTCACCAGT GGTCATTATCCCTACTGGTTCCAGCAGAGGCCCTGGCCAGGCCCCAGGGCACTGATTTATGATGCAAGCAATAAACTCCTCTCGACACCTGCC GGTTCTCAGGGTCCCTCCTTGGGGGCAAAGCTGACCCTTTCCGGGTGCGCAGTTTGAAGATGAGGCTGACTATTACTGCTTACTCTCCTA TAGTAATATTCGGGTCTTCGGCGGAGGGACCAAGCTGACCGTCTAC
005	p109w136	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCCGATCACCATCTCCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAAACTCGTCAATTTATGAGGTGAGTAAATCGGCCCTCAGGAGTTTCTAATCGG TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATCACTGCAGCTCATAACAA GCAGTAGCTCTCTCGCAGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p109w143	<i>IGLV</i>	CAGACTGTGGTGACCCAGGAGCCATCGTTCTCAGTGTCCCTGGAGGGACAGTCACTCACTTGTGGCTTACCTCTGGCTCAGTCTCTACTA GTTACTATCCCAGCTGGTACCAGCAGGGCCAGGCCAGGCTCCACGCATCTCATACACCACAGACACTCGCTCTTCTGGGGTCCCTGATCG GTTCTCTGGCTCCATCTTGGGAACAAGCTGCCCTCAGCTCAGCGGGGCCAGGCAGATGATGAATCTAATTATTACTGCGTGTGTATATGG GTAGTGGCAATTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCTGG
005	p109w146	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCCGATCACCATCTCCTGCACTGGAACCAGCAGTATGTTGGTGAAT ATAACTATGTCTCCTGGCACCAACAACACCCAGGCCAAGCCCCAAAGTCATGATTTATGATGTCAATAAGCGGCCCCCCGGGGTCCCTGATCG GTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACTGAGGATGAGGCTGATTACTACTGCTGTTTCATATGCA GGCAGCTTCAGTTATGTCTTCGGAAGTGGGACCCAGGTACCCGTCCTAG
005	p109w15	<i>IGLV</i>	GACATCCAGATGACCCAATCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGACCATTAGCAGCT ATTTACATTGGTATCAGCAGAAACCAGGGAGAGCCCTAAGCTCCTGATCTATGGTGCATCCAGTTTGAAGGTGGGGTCCCATCAAGTTTATG GGCAGTGGTTCTGGGACAGATTTCACTCTACCATCAGCAGTCTGCAACCTGAAGATTTTGTACTTACTTCTGTCAACAGACTTACACTTACTCA TTCACTTTCCGGCCCTGGGACCAAGTGGATATCACAC
005	p109w158	<i>IGLV</i>	GATATTGTGATGACCCAGACTCCACTCTCCTCACCTGTCACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCCTACACAG TGATGGAAGCACCTACTTGAGTTGGCTTCAGCAGAGGCCGGGGCAGCCTCCAAGCCTCCTAATTTATAAGATTTCTAACCAGTTCTCTGGGGTC CCAGACAGATTCAGTGGCAGTGGGGCAGGGACAGATTTCACTGAAAATCAGCAGGGTGAAGCTGAGGATGTCGGGGTTTATTACTGCCTG CAAGCTACACAATTTCCGTACACTTTTGGCCAGGGGACCAAGCTGGAATCAAAC
005	p109w159	<i>IGLV</i>	TGCATAATTGGAATAACTATTTGGATTGGTATTTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATTTGGGTTCTAATCGGGCCTCCG GGGTCCCTGATAGTTTCACTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTG CATGCAAACCTACAAAACCTCCGTGGACGTTCCGGCCAAAGGACCAAGGTGGAGATCAAAC
005	p109w162	<i>IGLV</i>	GACATCCAGTTGACCCAGTCTCCATCCTTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCCAGTCAGGGCATTAGCAGTT ATTTAGCCTGGTATCAGCAAAAACCAGGGAAAGCCCCAAACTCCTGATCTATGCTGCTTCCACTGTGCAAAGTGGGGTCCCCCTCAAGTTTCCAGC GGCAGTAAATCTGGGACAGAATTCCTCTCACAAATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTTTTGTCAACAACCTAATAGTTACCCG CTCACTTTCCGGCGGAGGGACCGAGGTGGAGATCAAAC

005	p109w163	IGLV	TTCTGTGCGGAGACAGAGTCACCATCACTTGCCGGTCAAGTCAGACCACTAACAACTATTTAAGTTGGTATCAACAGAGACCAGGGGAAGCCCTA AACTTCTGATCTATGCTGCCTCCATTTTGGAGAGTGGGGTCCCATCAAGGTTCCGGTGGCAGTGGCTCTGGGACGGATTTCACTCTCACCATCAG CAGTCTACAACCTGAAGATTTTCCACTTACTACTGTCAACAGACTTACAGTTTCCCGTATACTTTTGGCCAGGGGTACCAAGCTGGAGTATCAA
005	p109w167	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTGGCGGTT TTTTAAATTGGTATCAGCAGAACCAGGGGAAGCCCTAAACTCCTGATCTATGGTGCATCCACTTTGCACACTGGCGTCCCATCAAGGTTCAAGT GGCGGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTTCAACCTGAAGATTTTGAACCTACTTCTGTGACAGAGTTCATACGCC TCGAACGTTCCGGCCAGGGGACCAAGGTGGAACACAGAC
005	p109w172	IGLV	AATTTAATGCTGACTCAACCCCACTCTGTGTGCGGAGTCTCCGGGGAAGACGGTAACCATCTCCTGCACCCGGCAGCAGTGGCAGCATTGCCAGCA ACTATGTGCAGTGGTACCGGCAGCGCCCGGGCAGTGCACCCCACTGTAACTATGAGAATTACCAAAGACCCTCTGGGGTCCCTCCTCGATT CTCTGGCTCCATCGACAGGTCCTCAACTCTGCCTCCCTCACCATCTCTGGACTGCAGACTGACGACGAGGCTGACTACTACTGTGAGTCTTATG ACAGCAACAATCTTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCCTAC
005	p109w174	IGLV	CAGTCTGTCTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATGTCTGCTCTGGAAGCACCTCCAACATTGGACAG TATCATGTCTCCTGGTACCAGCAGTTCACAGGATCAGCCCCAACTCCTCATTTATGACAATGATAAGCGACCCTCAGGCATCCCTGACCGATT CTCCGGCTCCAAGTCTGGCACGTACGCCACCCTGGCCATCAGCGGACTCCAGGCTGCGGACGAGGGCGATTATTACTGCGGAACATGGGACA GCAGCCGGAATCCTCATTGGGTGTTCCGGCGGCGGGACAAGGCTGACCGTCCCTAG
005	p109w175	IGLV	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAAGTCACCATCTCCTGCCTGCACTGGAACCAACAGTGTGTTGGTGGT ATAACTATGTCTCCTGGTACCAACAATAACAGGCAAGCCCAAGCCGATGATTTATGATGCTACTAAGCGGCCCTCAGGGGTCCCTGAGCG TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGATGAGGCTGAATATTACTGCTGCTCATATGCA GGCCTGTATAGGTATGTCTTCGGAAGTGGGACCAAGGTCACCGTCCCTAG
005	p109w176	IGLV	AATTTTATGCTGACTCAACCCCACTCTGTGTGCGGAGTCTCCGGGGAAGACGGTAACCATCTCCTGCACCCGGCAGCAGTGGCAGCATTGCCAGCA GCTATGTGCAGTGGTACCGGCAGCGCCCGGGCAGTGCACCCCACTGTGATCTATGAGAATTACCAAAGACCCTCTGGGGTCCCTGCTCGAT TCTCTGGCTCCATCGACAGGTCCTCAACTCTGCCTCCCTCACCATCTCTGGACTGCAGACTGACGACGAGGCTGACTACTACTGTGAGTCTTAT GACAGCAACAATCTTTGGGTGTTCCGGCGGAGGGACCAAGTCAAGGTCACCGTCCCTAG
005	p109w177	IGLV	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAAGTCACCATCTCCTGCACTGGAACCAACAGTGTGATTGGTGAAT ATAACTATGTCTCCTGGTACCAGCAGCACCCAGGCAAGCCCAAACTCATGATTTATGGTGTACTAAGCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCTGCTCATATGCA GGCAGTTACACTTCCCTTATGTCTTCGGACCTGGGACCACGGTCACCGTCCCTAG
005	p109w18	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCAAGTCACCATCTCCTGCACTGGAACCAACAGTGTGATTGGTGCTT ATAACTATGTCTCCTGGTACCAACAGCACCCAGGGAAACCCCAAACTCATGATTTATGAGGTCAGTGTGCGGCCCTCAGGGGTTTCCAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACTATCTCTGGCTCCAGGCTGAGGACGAGGCTGCTTATTACTGCAGCTCATATACAC TCAGCACCACTTCTATTTTCCGGCGGAGGGACCAAGTCAAGGTCACCGTCCCTAG
005	p109w2	IGLV	CAGTCTGCCCTGACTCAACCTCCCTCCGTGTCTGGGTCTCCTGGACAGTCAAGTCACCATCTCCTGCACTGGGAGCAGCAGTGTGATTGGTTATT ATAATTATGTCTCCTGGTACCAACAGCGCCAGGCAAGTCCCAACTCATCATTTATGAAGTC
005	p109w20	IGLV	GACATCCAGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGTATTAGTAGTT ATTTAAATTGGTATCAGCAAAAACAGGGAAAGGCCCTAAACTCCTGATCCATGCAGCACGCAGTTTGCAGAGCGGGGTCCCATCAAGGTTTCAG TGCGGATGCATCTGGGCCAGATTTCACTCTCACCATCAGCAGTCTGGAGCCTGAGGATTTTGAACCTACTACTGTCAACAGAGTTACAGTATGC CTGTGTTCACTTTCCGGCGGCGGTACCAAGGTGGAATCAAAAC
005	p109w21	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT AATTATGTCTCCTGGTACCAGCACCTCCCGGGAACAGCCCCAACTCCTCATTTATGACAATGATAAACGACCCTCAGGGATTCTGACCGATT CTCTGGCTCCAAATCTGACACGTACGCCACCCTGGCATCACCAGGACTCCAGACTGGGACGAGGCCGATTATTACTGCGGAACATGGGATGGC AGCCTGAGTGTCTGGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
005	p109w25	IGLV	GACATCCAGATGGCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCTCCATCACTTGCCGGGCAAGTCAGAACATTAACAATTT TTTTAAATTGGTATCAACAGAAACCAGGCAAGGCCCTGAACCTCCTGATGTATGGTGTCTTCACTTTACAAAGTGGGGTCCCATCAAGATTTCAGT GCAGTGGATCTGGGACAGATTTCACTCTCACCATCACCAGTCTGCAACCTGCAGATTTTGAACCTACTTCTGTCAACAGAGTTTCAGTTTCCCTC GATCTTTTGGCGGAGGGACCAAGGTGGAGATCAAAAC
005	p109w26	IGLV	GAAATTGTTTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAGAGTCAACCTCTCCTGCAGGGCCAGTCCGGAGTGTAGTAGGT ACTTAGCCTGGTACCAGCAAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGATGCGTCCCACAGGGCCACTGGCATCCCAGACAGGTTTCAG TGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATGTTGGAGTTTATTACTGTGACGACGCGGACGTTCCGGC CCAGGGACCAAGGTGGAATCAGGC



005	p109w3	61	<i>IGLV</i>	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTACCATCTCCTGCACTGGGGGCAGCTCCAACATCGGGAC AGGTTATGATGTACACTGGTACCAGCACCTTCCAGGAACAGCCCCAACTCCTCATCTATGGTACACCAATCGGCCCTCAGGGGTCCCTGAC CGATTCTCTGGCTCCAAGTCTGACACCTCTACCTCCAGGCATCACTGGGCTCCAGCCTGAAGATGAGGCTTATTACTGCCAGTCCTATGA CAGGAGTCTGAGTGTTCGTGTTCCGGCGGAGGGACCAAGCTGACCGTCTAA
005	p109w30		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCTCAGCGTCTGGTCCCCGGGCAGAGGTGAGCATCTTGTCTGGAAGCAGCTCCAACATCGGAACT AATTATGCATACTGGTACCAGCAAGTCCCAGGAACGGCCCCAACTCCTCATCTATAGGAATGATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTACTGTGCAGCATGGGATG ACAGCCTGATGGTCCGGTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
005	p109w37		<i>IGLV</i>	CCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAAGCAACAGTGACATTGGTTATTATAACTATGTGTCCTGGTACCA ACAGCGCCAGGCGAAGTCCCCAACTCATATTTATGAAATCAATAGTCGACCCCTCGGGAGTTTCTAGTCGCTTCTCTGGCTCCAAGTCTGGCA ACAGGCCCTCCCTGACCATCTCTGGCTCCAGGCTGCAGACGAGGCTGATTATTTCTGTGCCTCCTCACAAGCCCTATCATGCTATTATTCGGC GGCGGGACCAGGCTGACCGTCCTGA
005	p109w39		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGCTT ATAACCATGTGCGCTGGTACCAACAGCACCCCGGCAAAGCCCCAACTCATGATTTATGAGGTCACTAAGCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTACTGCAGTTCATATGCA GGCAGCTACACCTTATTTCTCGGAACTGGGACCAAGGTCAACCGTCCTAG
005	p109w43		<i>IGLV</i>	AAGCAGCAGAGACGTTGGTGGTTATGACTATGTCTCCTGGTACCAGCAACACCCAGGCAGAGCCCCAACTCATGATTTTTGATGTCAGTAATC GGCCGGTCCGTGACCGATTCTCTGGCTCCAAGTCTCCGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCGCTCCGAGGATGAGGCTG ATTACTACTGCAGCTCATACTCAAGTAGCACCCTCTCGATGTCTTCGGAAGTGGGACCAAGGTCTCCGTCTAG
005	p109w44		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAGCTGCAAGTCCAGCCAGAGTCTATTCTACA GCTCCGACAATAAAAAATTAAGTCTGGTACCAGCAGAAACCAGGACAGCCTCCTAAAGTGTCTATTACTGGGCATCTACGCGGGAATCCGG GGTCCCTGATCGATTGAGTGGCAGCGGGTCTGGGACTGATTTCACTCTCGCCATCAGCAGCCTGCAGGCTGAAGATGTGGCACTTTATTACTGT CAGCAATATTATAGTCTTCGCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAA
005	p109w46		<i>IGLV</i>	GCAGCTCCAACATCGGAAGTAAGTATGTCTACTGGTACCAGCAGCTCCAGGAACGGCCCCAACTCCTCATCTGTAAACAATCAGCGGCC CTCAGGGTCCGTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCGCTCCGAGGATGAGGCTGATTA TTACTGTGCAACATGGGATGACAGCCTGGGTGGTCCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
005	p109w47		<i>IGLV</i>	GGCAATTTGCTTATTGGTACCAGCAGAAGCCAGGCCAGGCCCTGTGTTGGTGATATATAAAGACACTGAGAGGCCCTCAGGGATCCAGAGCG ATTCTCTGGCTCCAGCTCAGGACTACAGTCAGTTGACCATCAGTGGAGTCCAGGCAGAAGACGAGGGTACTATTACTGTCAATCAGGAGGC TTCAGTGCGGTGTTCGGCGGAGGGACACGCTGACCGTCCTAG
005	p109w48		<i>IGLV</i>	TGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCATAGTAAATGGATACAATTTGGATTGGTACCTGCAGAAGCCAGGG CAGTCTCCACAGCTCCTGATCTATTTGGTTCTGAGCGGGCCTCCGGGTCCCTGACAGGGTCACTGGCAGTGGATCAGGCACATATTTACAC TGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTACTGCATGCAAGCTCTACAACTCCTCGGACGTTCCGGCCAAGGGACCAAGGT AGAAATCAAA
005	p109w5		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGATGTTGGTAATT ATAATTATGTCTCCTGGTACCAACACACCCCGGCAAGGCCCCCCAACTCCTGATTTATGATGTCACTAGGCGGCCCTCAGGAGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCTACACGGCCTCCCTGACCATCTCTGGCCTCCAGACTGAGGATGAGGCTGATTACTGCTGCTCATATGCAG GCACTAAGACTGATTATGTCTTCGGAAGTGGGACCAAGCTCATCGTCCTAG
005	p109w51		<i>IGLV</i>	CAGTCTGCTGACTCAGCCTGCCTCCGTCTGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGCTT ATGACTTTGTCTCCTGGTACCAACACCCAGGCAAAAGCCCCAACTCATGATTTATGAGGTCACTAGTCGGCCCTCAGGGGACTCTGATCG CTTCTCTGGCTCCAATCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTACTGCACCTCATATACTAC CAGTAGTACTTGGGTGTTCCGGCGGAGGGACCAAGTGACCGTCCTAG
005	p109w55		<i>IGLV</i>	TCCTATGAATTGACTCAGCCACCCTCAGTGTCCGTGTCCCAGGACAGACAGCCAGCATCACCTGCTTTGGAGATAAATTGGCGAATAGATATGT TTATTGGTATCAACAGAAGCCAGGCCAGTCCCCTGTGTTGGTCAATTTATGAAGATACTAAGCGTCCCTCAGAGATCCCTGAGCGATTCTCTGGCT CCAATCTGGGAGCACAGGCACTGACCATCAGCGGGACCCAGACTATGGATGCGGCTGACTATTACTGTCAGGCGTGGGACGGCGACGTTG GTTATGCGGTGTTCCGGCGGAGGGACCAACTGACCGTCCTAG
005	p109w58		<i>IGLV</i>	TCCTATGTGCTGACACAGCCACCCTCAGTGTCCGTGGCCCCAGGAACGACGGCCAGGATTACCTGTGGGGAAACAACATTGGAGGTGAGACT GTGCACTGGTATCAGCAGAAGTCAGGCCAGGCCCTGTGGTGGTCACTATGAGGATACCGACCGGCCCTCGGGGATCCCTGAACGCTTTTCT GGCTCCAATCTGGGCACACGGCCACCCTGACCTCAGCAGGGTCCGAGGCCGGGATGAGGCCGACTATTACTGTCACGTGTGGATCCTAGT AGTGA

005	p109w6		<i>IGLV</i>	CCGTATGTGCTGACTCAGCCACCCTCAGTGTGCTGAGTGGCCCCGGACAGACGGCCAGGCTCTCCTGTGAAGGAAATAATATTGGAGTTAAGAGTG TCCATTGGTACCTGCAACGGCCAGGCCAGGCCAGGCCCTGTCTTGGTCATGTTTGATGATAGTATCGGCCCTCAGGGATCCCTGAGCGACTCTCTGG CTCCAATTCTGGGAACATGGCCACCCTGACCATCAACGGGTCGAAGTCGGGGATGAGGCCGACTATTATTGTCAAGTCTGGGACAGGACAAC CAATGGCCGGGTGTTTGGCGGAGGGGACCAGGCTGACCGTCTCTAA
005	p109w69		<i>IGLV</i>	GAAATAGTGATGACACAGTCTCCAGCCACCCTGTCTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA ACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCTAACAGGGCCACTGGTATCGCAGCCAGGTTTAC TGGCAGTGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTCAGCAGTATAAAGATAGGC CTCAGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAAC
005	p109w7		<i>IGLV</i>	TCCTATGAGCTGACTCAGCCGCCCTCAGTGTCCGTGTCCCAGGACAGACAGCCAAATTCCTGTTCTGGAGATAAATTGGGGAAAAATATG CTTCTTGGTATCAACACAAGCCAGGCCAGTCCCCTGTGGTGGTCATCTATCAAGACTCCAAGCGGCCCTCAGGGATCTCTGAGCGATTCTCTGG CTCCAACTCTGGGAACACAGCCACTCTGACCATCAGCGGGACCCAGACTGTGGATGAGGCTGACTATTTCTGTCCAGGCGTGGGAGAGCAACAC TGTCCTATTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p109w8		<i>IGLV</i>	GACATCCAGTTGACCCAGTCTCCATCCTTCTGTCTGCATCTGTAGGAGACAGAGTCCACATCACTTGCCGGGCCAGTCAGGACATTAGCAGTTA TTTAGCCTGGTATCAGCAAAAACCAGGTAAGGCCCTAAACTCCTGATCTATGCTGCATCCTCTTTACAAAGTGGGGTCCCATCAAGGTTTACGCG GCACTGCATCTGGGACAGAGTTCACTCTCACAATCGCCAACCTGCAGCCTGAAGATTTTGCATTTACTACTGTCAACACCTTAAAGCTTACCCAT TCACTTTTCGGCCCTGGGACCAAGGTGGATCTCAGAC
005	p109w82		<i>IGLV</i>	TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGGACAGACAGTCAAGATCACATGCCAAGGAGACAGGCTCAGAACCCTATTCTG CAAGCTGGTTCAGCAGAGGCCAGGACAGGCCCTCTACTTGTCTATATAATAAAGACTCCCAGGCCCTCAGGGACCCCGACCGATTCTTTGG CTCCAGCTCAGGAAACACAGCTTCTTGGACATCACTGGGCTCAGGCGGAAGATGAGGCTGACTATTTCTGTTACTCCCGCGAGAGAAGCGATA GTCAGGTGTTCTTCGGCGGAGGCACCAGGCTGACCGTCTTA
005	p109w83		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCCGATCTCTTGTCTGGAAGCAACTCCAACATCAGAGGT AATTCTGTAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATCTATACTAATAATCAGCGGCCCTCAGGGGTCCCTGACCGATT CTCTGCCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGTGCAGCATGGGATGAC AGCCTGAATGGTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p109w89		<i>IGLV</i>	GAAAAAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGGCACC AACTTAGCCTGGTACCAGCAAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAATCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTCAGCACTATAATAACAGG CCTCTCACCTCCGGCCAAGGGACACGACTGGAGATTAAC
005	p109w92		<i>IGLV</i>	CTCTACTAGTTACTACCCAGCTGGTACCAGCAGACCCAGGCCAGGCTCCACGCACGCTCATCTACAGCACAACACTCGCTCTTCTGGGGTGC CCTGATCGCTTCTCTGGTCCATCCTTGGGAACAAAGCTGACCTCACCATCAGCGGGGGCCAGGCAGATGATGAATCTGATTATTACTGTGTGC TGTGGGATAGTGCAATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p109w93		<i>IGLV</i>	GAAATACTGATGACGCAGTCTCCAGCCACCCTGTCTGTCTCCAGGGGAAAGATCACCCCTCTCCTGCAGGGCCAGTCAGAGTGTAGAAGC GACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGCGCATCCACCAGGGCCACTGGTTTCCCAGCCAGGTTTCA AGTGCCAGTGGTCTGGGACAGAGTTCACTCTCAGCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTCAGCAGTATTATGACTG GCCTCCGTACACCTTTGGCCAGGGGACCAAGGTGGAGATCAGAC
005	p109w94		<i>IGLV</i>	TATAACCTTGTCTCCTGGTACCAACACCACCCAGGCCAAGCCCCAAAGTCATGATTTATGATGTCACTAAGCGGCCCTCAGGGGTCCCTGAGC GCTTCTCTGGCTCAAAGTCTGGCAACACGGCCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGATGAGGCTGAATATTACTGCTGCTCATATGC AGGCCGTATAGTTATGTCTTCGGAACCTGGGACCAAGGTCAACCTCTAG
005	p110w100		<i>IGLV</i>	CAGTCTGCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAAGCAGCACTGACATTGGTGATT CTAACTCTGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCCAACTCATAATTTATGAGGTGAGAAATCGGCCCTCAGGAATTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACTGATGACGAGGCTGATTATTACTGTCAGCTCATATACAGC CACCACCTGATGTCTTCGGAACCTGGGACCAAGGTTACCGTCTAG
005	p110w101	38	<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTCTTTTATGGA GCTTCAACAATAAGAACTTCTTAGCTTGGTACCAGCAAAAACCAGGACAGCCTCCTAAACTGCTCATTTACTGGGCATCTACCCGGGAGTCCGGG GTCCCTGACCGATTGAGTGGCAGCGGTCTGAGACAGACTTCACTCTCACCATCAGCAGCCTGCAGGCTGAGGATGTGGCAGTTTATTACTGTC TGCAGTCTTATAGTACTCCTCACACTTTTGGCCAGGGGACCAAGGTGGAGATCGAAC
005	p110w104		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTTCTGCATCAGCCTCCCAGGAGCCTCGGTCACTCACCTGCACCCTGAGCAGCGACTATAGTCATTATA ACGTGGACTGGTACCAGCAGAGACCAGGGAAGGGCCCCGGTTTGTGATGCGAGTGGGCACTGGTGGGATTGTGGACCAAGGGGGATGAC ATCCCTGATCGCTTCTCAGTCTTGGGCTCAGGCCGAATCGGTACCTGACCATCAAGAAGCTCCAGGAAGAGGATGAGAGTGACTACTACTGTG GGGACAGCCATGGCACAGGGAGCAAGTACTTTTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTAG

005	p110w106	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTACCATCTCCTGCACTGGGAGCCTCTCCAACATCGGGAC AGGTTTTGATATACACTGGTACCAACAGATTCCAGGGACAGCCCCAAACTGCTCATCTTCGTGACACCAATCGGCCCTCAGGGGTGCCTGAC CGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTAC
005	p110w107	IGLV	AATTTTATGCTGACTCAGCCGCACTGTGTGCGAGTCTCCGGGGAAGACGGTAACCATCTCCTGCACCCGAGCAGTGGCAGCATTGCCAGCA ACTATGTGCAGTGGTATCAGCAGCGCCCGGGCAGTGGCCCCAACCTGTGATCTATGAGGATGAGAAAAGACCCCTCTGAGTCCCTGATCGGTT CTCTGGCTCCATCGACAGGTCTCCAACCTCTGCCGCCCTCACCATCTCTGGACTGAAGACTGAGGACGAGGCTGACTACCACTGTCAGTCTTAT GATAGTAGCAATTTTTTGTCTTCGGAAGTGGGACCAAGGTACCGTCTCTAG
005	p110w108	IGLV	AAATATGAACACTTAGGCTGGTACCAGCAGAAGCCTGGCCAGGCTCCCAGGCTCCTCATCCTCGGTGACTAAGCAGGGCCACTGGCATCCCA GACAGGTTCACTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTATTGTCAGCAATA CGGCACCTCTCCGTGGACGTTCCGGCCAAGGGACCAAGGTGAAATCAAAC
005	p110w112	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTACCATCTCTTGTCTGGAGGCAGGTCCAACATTGGAAGT TCTACTGTAAACTGGTACCAACAGCTCCCAGGAACGGCCCCAAACTCGTATCTCTACTAATGATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGCGGGCTCCAGTCTGAGGATGAGGCTGATTACTGTGCAGCATGGGATGA CAGCCTGAATGGTCCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p110w113	IGLV	CAGTCTGTGCTGACGCAGGGCGCCCTCAGTGTCTGGGGCCCCAGGACAGAGGGTACCATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGC AGGTTATGATGTACACTGGTACCAGCAGCTTCCAGGAACAGCCCCAAACTCCTCATTCATGGTAATACCAATCGGCCCTCAGGGGTCCCTGAC CGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGCGGGCTCCAGTCTGAGGATGAGGCTCATTATTACTGTCAGTCCATG ACAGTAGCCTGAGTGTCCGGTTTTCCGGCGCAGGGACCAAGGTGACCGTCTAG
005	p110w118	IGLV	TCCTTTGAGCTGACTCAGCCACCCTCAGTGTCCGTGTCCCAGGACAGACAGCCACCATCTCCTGCTCTGGAGATAGATGGGGGACAAATATG CTTCTGGTTTTCAACAGAAGCCAGGCCAGTCCCCTGTGCTACTCATCTATGAAAATAACAAGCGCCCCCTCAGGGATCCCTGAGCGATTCTCTGG CTCCAACCTCTGGGACCACAGCCACTCTGACCATTAGTGGGACCCAGACTATGGATGAGGCTGACTATTATTGCAATCGTGGGACAGCGCCACT GTGGTGTTCGGCGGGGGACCAAGCTGACCGTCTAG
005	p110w119	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTTACCATCACTTGCCGGGCGAGTCAGGGCATTAGAATT ATTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCCTAGACTCCTGATCTATGATGCATCGACTTTGGAATCAGGGGTCCCATCTCGGTTCACT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGACTGCAGCCTGAAGATGTTGCAACTTATTACTGTCAAAGTATAAAGTGTCC TGGGACGTTCCGGCCAAGGAACCAAGGTGAAATCAAAC
005	p110w122	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAACGTCTGGGACCCCCGGGCAGAGGGTACCATCTCTTGTCTGGAAGCCTCTCCAACATCGGAAGTA ATAAAGTAAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAATTCCTCATCTATAATAATAATCAGCGACCCTCAGGGGTCCCTGACCGATT TCTGGCTCCAAGTCTGACACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGTGCAACATGGGATGACA GCCTGAATGGAGTGGTATTCCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p110w123	IGLV	CAGGACGGGCTGACTCAGCCACCCTCAGTGTCCAAGGGCTTGAGACAGACCCGCCACACTCACCTGCACTGGGAACAGCAACAATGTTGGCAAC CAAGGAGCAGTGTGGCTGCAGCAGCACCAGGGCCACTCCCAAATGCCTTCTCCAGGAATAACGACCGGCCCTCAGGGATCGCAGAGAGA TTCTCTGCATCCAGGTCAGGAAACACAGCCTCCCTGATGATTACTGGACTCCAGCCTGAGGACGAGGCTGACTATTACTGCGCAGCATGGGACA GCAGCCTCAGTGTCTGGGTCTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p110w130	IGLV	TGAAAACAACATATGTGCTCCTGGTACCAGCAGGTCCCGGGAACGGCCCCAACTCGTCATTTATGACAATAAAGAGACCCTCAAGTATTCTG ACCGATTCTCTGGCTCCCCTCCTGGCACGTGACCCACCCTTGACATCGCCGCTCAGGCTGGGGACGAGGGCCGATTACTACTGCTTACATG GGATTCAACTCGCGATGTCCGCGTCTTCGGCGGAGGGACCAAACTGACCGTCTAG
005	p110w133	IGLV	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCACTCACCATCTCCTGCACTGGAACCAGCAGTATTTTGGTGGTT ATAAGTCTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATCATTATAGTGTGATAGCGGCCCTCAGGGGTCCCTGCTCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGTCTGACGATGAGGCTGATTATTACTGCCTCTCATATGCAG GCAGGTACACTTGGGTCTTCGGAAGTGGGACCAAGGTACCGTCTAG
005	p110w135	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTACCATCTCTTGTCTGGAAGCAGCTCCAACATCGGAAGT AATAGTGTAAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATTCATAGTAATAATCAGCGGCCCTCCGGGGTCCCTGACCGAT TTTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGACTGAGGATGAGGCTGAGTATTACTGTGCAACTTGGGATAA CAGCCTGAGTGGTAATGTGTTCCGGCAGCGGCACCTGGGTGACCGTCTAG
005	p110w143	IGLV	CAGTCTGCCCTGTCTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGCTCACCATCTCCTGCACTGGATCCAGCATTGGACTTTATAACCT TGCTCCTGGTACCAACACCACCCAGGCAAAGCCCCAAACTCATGATTTATGAGGTCACTAAGCGGCCCTCAGGGGTTTCTAATCGCTTCTCTG GCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATA
005	p110w145	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAAGTGCAAGTCCAGCCAGAATGTTTTCTCCA AGTCCAAAGAATAAGAATTATGTAGGTTGGTACCAGCAGAGACCAGGACAGCCTCCCAAACCTCTTCTTTATTGGGCGTCTATTCCGGAATTTGGA GTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTTCACTCACCATCAGCAGCCTGCAGGCCGAAGATGTGGCAGTCTATTTCTGTC AGCAGTATTATAGTCGCCCTCCGACGTTCCGGCCAAGGGACCAAGGTGGAAGTCAAAC

005	p110w146	IGLV	TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGGACAGGCAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAACTATTATG CAAGTTGGTACCAGCAGAAGCCAGGACAGGCCCTGTTCTTCTCTTCTATGGTAAAAACAACCGGCCCTCAGGGATCCCAGACCCGGTTCTCTGG CTCCAGCTCAGGAAACACAGCTTCTTGACCATCACTGGGACTCAGGCGGAAGACGAGGCTGACTATTACTGTAATTCTCGGGACAACAATGAT AACCATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p110w15	IGLV	GAAATTGTTGACGCAGTCTCCAGGCACCCTGTCTGTCTCCAGGGGAAAGACCCACCCTCTCTGCAGGGCCAGTCAGAGTGTGGCAAC CGCTACTTAGCCTGGTACCAGCAGAAACCTGCCAGGCTCCAGGCTCCTCATCTTTGAAGCGTCCAACAGGGCCACTGGCATCCCAGACAGG TTCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAACAATATGGTAG GTCACCTCAGACGTTTCGGCCAAGGGACCAAGGTGGAGATCAAAC
005	p110w153	IGLV	TCTTCTGCGCTGACTCAGGACCCTGTTGTGTCTGTGGCCTTGGGACAGACAGTCAGGATCACATGCCAGGGAGACAGTCTCAGAACCTATTATG CAAGTTGGTATCAGCAGAAGCCTGGACAGGGCCCTGTAGTTGTCTCTATGGTAAAGACAAGCGGCCCTCAGGGATCCCAGACCCGATTCTCTGG CTCCAGTTCAGGGGACACAGCCTCCTTGACCATCACTGGGCTCAGGCGGAAGATGAGGCTGTCTATTACTGTAATTCTCGTGACAGTACTGGT GATTTCACTTATGTCTTCGGAGGTGGGACCAAGGTCAACGTCCTAG
005	p110w162	IGLV	TCCTCTGACCTGACACAGCCACCCTCGGTGTCAAGTGTCCCCAGGACAGACGGCCAGGATCACCTGTTCTGGAGATGCATTGGCAAAGAAATTTA TTAATTGGTATCAGCAGAAGCCAGGCCAGGCCCTGTGGCGGTGATATATAAAGACACTGAGAGGCCCTCAGGGATCCCTGAGCGATTCTCTGG CTCCGGCTCTGGGACAACAGTCACCTTGACCATCAGTGGCGTCCAGGCAGAGGACGAGGCTGACTATTATTGTCAATCAACAGACAGGAGTCCT AATTATGTGATCTTCGGCGGAGGGACCAAGCTGACCGTCTAA
005	p110w164	39 IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTCTCTGGGCGAGAGGGTCAACGTCAGGTCCAGTCAGAGTATTTTCATACA GCTCCAACAATAAGAACTTCTAACTTGGTTCCAGCAGAAACCAGGACAACCTCCTAAGCTGTCTATTACTGGGCATCTACCCGGGATCCGGGG TCCCTGACCGATTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTACCATCAGCAGCCTGCAGGCTGAAGATGTGGCATTATTACTGTGAG CAATATTATAGTCTTCGGCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
005	p110w167	IGLV	TGGTCACCATCACTTGCCGGACAAGTCAGAACATTGGCAACTATTTAAATTGGTATCAACAGAAATCAGGGGAAGCCCCTAAACTCCTGATTTATG GTGCATCCAGATTGCAAAGTGGGGTCCCATCAAGATTTCAGTGGCAGTGGATCTGGGACATATTTCACTCTCACCCTCAGTGGTCTTCAACCTGAA GATTTTGCAACTTACTTCTGTCAACAGAGTTACGATCCGCCTCGAACGTTTCGGCCAGGGGACCACGGTGAAGCCAGAC
005	p110w169	IGLV	GCAGCTCCAACATCGGGGAGGTTATGATGTACACTGGTACCAGCAGCTTCCAGGAACAGCCCCAACTCCTCATCTATGGTAACAACAATCG GCCCTCAGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGA TTATTACTGCCAGTCTATGACAGCAGCCTGAGTGGTTGGGTATTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p110w17	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGCACCAGCAGTGTGTTGGGAGTT CTAACGTTGTCTCCTGGTATCAACAACACCCAGGCAAAGTCCCCAACTCTTGATTTTAGAGGACCAAGCGGCCCTCAGGGGTTTCTGATCGG TTCTCTGGCTCCAGGTCTGTCAACACGGCCTCCCTGACAATCTCAGGGTCCAGGCTGAGGACGAGGCTGATTATTACTGTTGCTCATACGCA GCAGTACTAGTCGCTTATTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p110w172	IGLV	GAGTCAGGGCATTTACAGTTATTTAGCCTGGTATCAACAGAAACCAGGAAAAGTTCCTAACCTCCTGATCTATGATGCATCCACTTTGCAATCAGG GGTCCCATCTCGGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAGGATGTTGCAACTTATTACTGTC AAAAATATAACAGTGCCTCCCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
005	p110w175	IGLV	CAGGCAGGGCTGACTCAGCCACCCTCGGTGTCCAAGGGGTTGAGACAGACCGCCACACTCACCTGCACTGGGAACAGCAACAATGTTGGCAGG CAAGGAGCAGCTTGGTTGCAGCAGCACCAGGGCCACCCTCCCAAACCTCCTGTCTACAGGAGTAACAACCGGCCCTCAGGGATCTCAGAGAGA TTCTCTGCATCCAGGTCAGGAAACACAGCCTCCCTGACCAATTATGGACTCCAACCTGAGGACGAGGCTGACTACTACTGCTCAGCATGGGACA GCAGCCTCAGTGCTTGGGTGTTTCGGCGAAGGGACCAAACTGACCGTCTAG
005	p110w177	IGLV	CAATCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGTGTTACTGCTT ATAACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGGCCCCCAAACCTCATGATTTATGATGTCAATAACCGGCCCTCAGGGGTCCCTGATCG CTTCTGCTTCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACTGAGGATGAGGCTGATTATTACTGCTGCTCATATGCAG GCAGGTACACTTGGGTCTTCGGAACCTGGGACCAAGGTCAACGTCCTAG
005	p110w178	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGTGTTGGTGGT ATAACTATGTCTCCTGGTACCAACACCACCCAGGCAAAGGCCCCCAAACCTCATGATTTATGAGGTGAGTAAACCGGCCCTCAGGCGTTTCTAATCGG TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACTGAGGATGAGGCTGATTATTACTGCAGCTCAGATAGAG GGAGGGGCAATTGGGTGTTTCGGCGGAGGGACCAAGGTCAACGTCCTAG
005	p110w180	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGTACCCCCGGACAGAGGGTCAACATCTCTTGTCTGGAAGCAGCTCCAACATCGGAAGTA AGTATGTCTACTGGTACCAGCAGCTCCCAGGAACGGCCCCAACTCCTCATCTATAAGAAACAATCAGCGGCCCTCAGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTATTACTGTGCAACATGGGATGAC AGCCTGAGTGGTGGGTGTTTCGGCGGAGGGACCAAGGTCAACGTCCTAG

005	p110w183	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCAACATCTCTTGTCTGGCGGCAGCTCCAACGTGGAAGT AATACTCTAAACTGGTATCAGCAGCTTCCAGGAACGGCCCCAAACTCCTCATCTATAGTGATAGTCAGCGGCCCTCAGGGGTCCCTCACCATT CTCTGGCTCCGAGTCTGGCACCTCAGGCTCCCTGGCCATCAGTGGGCTGCAGTCTGAGGATGAGGCTGTCTATTACTGTGCAGCATGGGATGA CAGCCTGACTGTTTGGTTATTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p110w20	<i>IGLV</i>	GCAGCCTCCCTCCGTGTCCGGGTCTCCTGGACAGTCACTCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTTATAACCGTGTCTGC TGGTACCAGCAGCCCCCAGGCACAGCCCCAAACTCCTCATTTATGAGGTCAATAATCGGCCCTCAGGGGTCCCTGATCGCTTCTCTGGGTCTA AGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCAGATACAGGCAGCTACAGTTT CGTGTTCCGGCGAGGGACCAAGCTAACCCTCTAG
005	p110w21	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ACAATATGTCTCCTGGTACCAACAGCACCCCGGCAAAGTCCCCAAACTCATGATTTATGAAGTCACTAGTCGGGCCCTCAGGTGTTTCTTATCGC TTCTCTGGCTCCAAGTCTGGCAGACGGCCTCCCTGACCATCTCTGGACTCCAGGCTGAGGACGAGGCTGAATATTACTGCAGCTCATATACAA GCAGCGGCACTCTGGTTTTCCGGCGGGGGACCAAGGCTGACCGTGCCTA
005	p110w24	<i>IGLV</i>	CAGTCTGTACTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGCGTCAACATCTCCTGCACTGGGAGCAACTCCAACATCGGCGCA GGTTATGAGTCCACTGGTACCAGCAATTTCCAGGAACACCCCCCAACTCCTCATGTTCAATAACGACATTCGGGCCCTCAGGGGTCCCTGACC GATTCCTGGCTCCAAGACTGGCAGCTCAGCCTCCCTGGTCACTCTCTGGGCTCCGGGCTGAGGATGAGGCTGACTATTACTGCCAGACCTATGA GACCACCCTGGGTGGTTCGAGGGGTGTTCCGGCGGCGGGACCAAGGCTGACCGTGCCTA
005	p110w26	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCACTCACCATCTCCTGCACTGGAACCAGCAGTGATATTGGTGAAT ATAACTATGTCTCCTGGTACCAACAGCGCCAGGCAAAGCCCCAAACTCATATTTATGCTGCTACTAACCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGATGAGGCTGGTTATTACTGCTGCTCATATGCA GGCAGCTTTCAGTCCCGTATGTCTTCGGAAGGGGACCAAGGTCACCGTCCCTAG
005	p110w3	<i>IGLV</i>	CAGTCTGTCCGGCTCAGCCACCCTCAACGTCTGGGACCCCCGGGCAGAGGGTCAACATCTCTTGTCTGGAAGCCTCTCCAACATCGGCAGT AATGTAAACTGGTACCAGCACCTCCCAGGAACGGCCCCAAACTCCTCATGTACAATAATAATCAGCGGCCCTCAGGGGTCCCTGACCGATTCT CTGGCTCCAAGTCTGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCT
005	p110w30	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCACTCACCATCTCCTGCACTGGAACCAGCAGTGATGTTGGTGCCT ATAACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAGACTCATGATTTAT
005	p110w35	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCACTCACCATCTCCTGTACTGGAACCAATAATGATGTTGGTGTTTA TGACTATGTCTCCTGGTACCAACATCACCCAGGCAAGGCTCCCAAACCTCATATTTATGATGTCAATAAGCGGCCCTCAGGTGTCCCTAGTCGGT TCTCTGGCTCCAAGTCTGGCAATACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATCACTGCTGCTCATTTGCTGG CAGGTACCCTGTGATATTTGGCGGAGGGACCAAGCTGACCGTCCCTGG
005	p110w37	<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACGGGAGGTGTACCAGT AATCATGATACCTACTGTTCCAGCAGAAGGCTGGCCAAAGCCCCAGGACTGGTTTATGGCACAACCAAGAAACTCCTGGACACCTGCC GGTTCTCAGGCTCCCTCCTTGGGGGCAAGCTGCCCTGACCTTTCCGGGTGCGCAGGCTGAGGATGAGGCTGAGTATTATTGTTTCTCTCTTA TAGTGGTGATCGGGTGTTCGGCGGAGGGACCAAGTTGACCGTCCCTAG
005	p110w39	<i>IGLV</i>	GTGTTTTCTACAGCTCCGACAATAAAAATTACTTAGCTTGGTACCAGCAGAAACCAGGACAGCCTCCTAAACTGCTCATTTACTGGGCATCTACCC GGGAATCCGGGGTCCCTGACCGATTCACTGGCAGCGGGTCTGGGACTGATTTCACTCTCGCCATCAGCAGCCTGCAGGCTGAAGATGTGGCAC TTTATTACTGTCAAGCAATATTATAGTCTCCGCTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAAC
005	p110w46	<i>IGLV</i>	AACACCCCGGCAGAGCCCCAAACTCATATTTCTCAAGTCACTAATCGGCCCTCAGGCGTCTCTAGTCGCTTCTCTGCCTCCAAGTCTGGCTAC ACGGCCTCCCTGACCATCTCTGGACTCCAGTCTGAGGACGAGGCTCGTTATTTCTGCTGCTCGCTTTCCCTTAGTCTACTCTCGTGGTCTTCGG CGGAGGGACCCAGCTGACCGTCCCTAG
005	p110w47	<i>IGLV</i>	GACTTCGTGATGACCCAGTCTCCAGACTCCCTGGGTGTGTCTCTGGGCGAGAGGGCCACTATCAACTGCAAGTCCAGCCAGAGTCTTTTCTACA GCTCCGACAATAAGAATTACTTAGCCTGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTCTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTCACTGGCAGCGGGTCTGGGACAGATTTCACTCTCAGCATTAGCAGCCTGCAGGCTGAAGATGTGGCTGTCTATTACTGT CAGCAGTATTATAGTAATTCGGTCACTTTCCGGCGGAGGGACCAAGGTGGAGAGCAAAAC
005	p110w5	<i>IGLV</i>	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTCAACCTCTCCTGCACTGGGAACAAGTCCAACATCGGGGC TGGTCATGATGTACTGTTACCAGCACCTCCAGGAACAGCCCCAAACTCCTCATCTATAGTAACCAATCGGCCCTCAGGGGTCCCTGAC CGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTTCTGCCAGTCTATG ACAGCAGCCTGAGTGGTTATATCTTCGGAAGTGGGACCAAGTCAACCGTCCCTAG
005	p110w51	<i>IGLV</i>	CACTGTCTGCATCTGTAGGAGACAGATCACCATCACTTGTCCGGCGAGTCAAGGACATTAGCAATTTATTTAGCCTGGTTTTAGCAGAAACCGGG GAAAGCCCCCTAAGTCCCTTATCTTTGCTGCATCCAGTTTGACAGTGGGGTCCCGTCAAAGTTCAGCGGCAGTGGATCTGGGACATATTTCACT TCACCATCAGCAGCCTGCAGCCTGAAGATTTTGGAACTTATTACTGCCAACAAATAGTAGTATTCTCCTCGGACGTTCCGGCCAAGGGACCAAGGT GGAATCAAAAC

005	p110w55	<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTACTTAGCCTGGTACCAGCAGAGACTTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCGTCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGC
005	p110w59	<i>IGLV</i>	CAGTCTGTGCTGAGTCAGCCACCCTCAGTGTCTGGGACCCCGGCCAGAGGGTACCATCTCTTGTTCGGGCAGCAGCTCCAACATCGCAACT AATTATGTATATTGGTACCAGCAGTTCAGGAACGGCCCCAAAGTCCTCATCTATATGAACAGTCAGAGGCCCTCTGGGGTCCCTGACCGATT CTCTGGCTCCAAGTCCGGCGCCTCAGCCTCCCTGGCCATCAGTGGCCTCCAGTCCGAGGATGAGGCTGACTATTACTGTGCAACATGGGATGA CAGCCCGAATACTCCGGTCTTCGGCGGAGGGACCAAATTGACCGTCTAC
005	p110w6	<i>IGLV</i>	AGAAAAGTAATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGGCAGC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGCCAGGTTT AGTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTGCACTATAATAACTG GCCTCTACCTCCGGCCAGGGACACGACTGGAGATTAGAC
005	p110w62	<i>IGLV</i>	CCAGTACAGGGCATTAGCAGTTATTTGGCCTGGTATCAGCAAGAACCAGGGAAAGCCCTAAACTCCTGATCTATGCTGCATCCACTTTACAAAGT GGGGTCCCATCAAGGTTACGCGGCACTGGATCTGGGACAGAGTTCCTCATCTACAATCGCCAACCTGCAGCCTGAAGATTTTGAATTTACTACT GTCAACACCTTAGAACTTACCCATTCACTTTCCGGCCCTGGGACCAGGGTGGATCTCAAAC
005	p110w8	<i>IGLV</i>	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTACCATCTCCTGCACTGGGAGCAGCTCCAACCTCGGGGC AGGCTATGATGTACATTTGGTACCAGCAGCTTCCAGGAACAGCCCCAAAGTCCTCATCTATGCTAGCAACAATCGTCCCTCAGGGGTCCCTGAC CGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCGCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCTATG ACACCAGTCTGAGTACTTGGGTGTTCCGGCGGAGGGACCAAACCTGACCGTCTAG
005	p110w83	<i>IGLV</i>	TACATTGACAACATAATTAATTGGTATCAGCAGAAACCAGGGAAAGCCCTAAGCTCCTGATCTTTGCTGCTTCCAGTTTGCAAAGTGGGGTCCC AGCACGGTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTACTACTGTCAACAGA GTTACAGTACCCCTCCGATCACCTTCGGCCAAGGGACACGACTGGACACTAAAC
005	p110w89	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGTAGTGACGTTGGTGGTT TTAACTTTGTCTCCTGGTACCAACAGTTTCCAGGGCAAGCCCCAAACTCATGATTTATGAGGTCAATAATCGGCCCTCAGGGGTTTCTACTCGC TTCTCTGGCTCCAAGTCTGGCAATACGGCTCCCTGACCATCTCTGGCTCCAGGCTGAAGACGAGGGTATTACTACTGCAGCTCATATACAAC CATCGCCACCCGGGTGTTGGCGGAGGGACCAAGCTGACCGTCTTAA
005	p110w92	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCCGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGTGTTGGGAGTT CTAACGTGGTCTCCTGGTATCAACAACACCCAGGCAAAGCCCCAAACTCATACTTTTLAGAGGACACTAAGCGGCCCTCAGGGGTTTTCGAATCG CTTCTCTGGCTCCAGGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGGTCCAGGCTGAGGACGAGGCTAATTATTACTGTGCTCATATGCA GGTAGTAGTAGTGTCTTATTCCGGCGGAGGGACCAAGCTGACCGTCTAC
005	p110w93	<i>IGLV</i>	CAGACTGTGGTGACCCAGGAGCCATCGCTCTCAGTATCCCTGGAGGGACAGTCACACTCACTTGTGGCTTGAGCTCTGGCTCAGTCTCTACTA GCTTCTACGCCAGCTGGTACCAGCAGACCCAGGCCAGGCTCCACGCACGCTCATCTACAACACAACATTGCTCTTCTGGGGTCCCTGATCG CTTCTCTGGCTCCGCTCCTTGGGAACAAGTTGCCCTCACCATCACGGGGCCAGGCAGATGATGACTCTGATTATTACTGTGTGCTGTCTATG GGTGGTGGCATTGGGTGTTCCGGCGGAGGGACCAAACCTGTCCGCTCTAG
005	p110w97	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTACCATCTCTTGTCTGGAAGCACTCCAACATCGGAAGTAA TATGTAAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATCTATAGTAATAATCAGCGGCCCTCAGGGGTCCCTGACCGATTCT CTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGCCTGAGGATGAGGCTGATTATTACTGTGTGGCATGGATGACAG CCTGAGTAGTCCGGTATTCCGGCGGAGGGACCAAGCTGACCGTCTC
005	p111w100	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATTTCTGCACTGGAACCAGCAGTGTGAGCTTGGTGGTT ATAACTATGTCTCCTGGTACCAACATCACCCAGGCAAAGCCCCAAACTCATGATTCATGAGGTGAGTAAATCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA GCAGCAGCACTTGGGTGTTCCGGCGGAGGGACCAAACCTGACCGTCTAG
005	p111w101	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGTCTCAGTGTCCGGGTCTCCTGGACAGTCAGTACCATCTCCTGCACTGGAACCAGCAGTGTGTTGGTGGTT ATCATTTTGTCTCCTGGTATCAACAGCAGCCAGGCAAAGTCCCCAAAGCTTGTATTTATGATGTCACTTACCGGCCCTCAGGGGTCCCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGCCTGACGATGAGGCTGATTATTACTGTTGCTCTTATGCAGG CAGATACATTTATGTCTTCGGAACCTGGGACCAAGGTACCCGTCTCTGG
005	p111w106	<i>IGLV</i>	CAGCTTGTACTGACTCAATCGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAAGCTCACCTGCACTCTGAGTAGTGGACACAGTACTACG CCATCGCATGGCATCAGCAGCAGCCAGAGAAGGGCCCTCGATACTTGATGAAGATTAGCAGTGTGGCAGCCACAGCAAGGGGGACGGGATCC CCGATCGCTTCTCAGGGTCCAGCTCTGGG
005	p111w107	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCAGGCGAGTCAGGACATTATCAACTA CTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCAAACTCCTGATCTATGCTGTATCCACTTTGCAAAGTGGGGTCCCGTCAAGGTTTCAAGT GCAGTGGACTGGGACAGACTTCACTCTCACCATCAGCACTCTGCAACCTGAAGATTTTGAACCTACTACTGTACCAGAGTTACAGTACACAT AACTTCGGCCAAAGGGACACGACTGGAGATGAAAC

005	p111w108		<i>IGLV</i>	GAGATAGTGCTGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCAGC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTCTGGTGCATCCACCAGGGCCACTGGTATCCCAGCCAGGTTCA GTGGCAGTCAGTCTGGGACAGAATCACTCTCACCATCAGCAGCCTGCAGTCTGAAGACTCTGCAGTTTATTACTGTCAGCACTATAATAGCTGG CCGTACTCCTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
005	p111w109	41	<i>IGLV</i>	AACTTTATGCTGACTCAACCCCACTCTGTGTGCGAGTCTCCGGGAAAGACGGTAACCATCTCCTGCACCCGGCAGCAGTGGCAGCATTGCCAGCA ACTATGTGCAGTGGTACCAGCAGCGCCCGGGCAGTGCACCCACCCTGTGATCTATGAAAATTACCAAAGACCCTCTGGGGTCCCTGCTCGATT CTCTGGCTCCATCGACAGGTCCTCAACTCTGCCTCCCTCACCATCTCTGGACTGCAGACTGACGACGAGGCTGACTACTACTGTCAGTCTTATG ACAACAACAATCTTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCTAC
005	p111w113		<i>IGLV</i>	GATGTTGAGATGACTCAGTCTCCACTCTCCCTGCCCGTCAGTCTTGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACA GTGATGGCAACACCTTCTTGAATTTGGTTTACCAGAGGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTAACCCGGGACTCTGGGGT CCAGACAGATTCAGTGGCAGTGGGTACGGCACTGATTTACACTGAGAATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGC AAGGTACACACTGGCCTCCGACGTTCCGGCCAAGGGACCAAGGTGGAAATCAAAC
005	p111w114		<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCTGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT CATTACATATCCTGGTACCAGCAGCTCCCCAGAACAGCCCCAACTCCTCATTTATGACACTGATAAGCGACCCTCAGGGATTCTGCCCGATT CTCTGGCTCCAAGTCTGGCACGTCAGCCACCCTGGGCATCACCAGGACTCCAGACTGGGGACGAGGCCGACTATTACTGCGGAACATGGGATGC CAACCTGACTGCTGGCCTTTGGGTATTCCGGCGGGGGACCAAGCTGACCGTCCTAG
005	p111w115		<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTGACGCGGCCCCAGGACAGAAGGTCACCATCTCATGCTCTGCAAACACCTCCGTCTTTGCATACG ATTATGCATCCTGGTACCAGCACTTTTCAGGAGCACCCCAAGCTCGTCATTTATGACAATAAAGCGACCCTCAGGGATTCTGACCGATTCT CTGGCTCCAACCTCTGACACGTCGGCCACCCTGGCCATCACCAGGACTCGAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATAGC AGCCTGAGT
005	p111w118		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTCCGGGCAAGTCAGAGCATTAGCAGCT ATTTAAATTGGTATCAGGCGAAACCAGGGAAAGCCCTAAGCTCCTGATCTATGGTGCTTCCAGTTTGGAAAGTGGGGCCCCATCAAGTTTCAGT GGACGTGAATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTTCAACCTGACGATTTTGAACCTTACTTCTGTCAACAGACTTACAGTCCCC GTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
005	p111w119		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGGTACCATCTCCTGCACGGGAATCCAGTGACATTTCGATTT CTGACTTTGTCTCCTGGTACCAACAACCCCAAGCAACGTCACCCAACTCATATTTTTGAAGTCAATAAACGGCCCTCAGGGGTTTCCGATCGC TTCTCTGGCTCCAAGTCTGGCAATACGGCCTCCCTGACGATCTCTGGCCTCCTGCCTGAGGACGAGGCCGATTATTACTGCAGTTCATATACAAA CTTCGTCACCTCACTTCGGCGGAGGGACCAAGGTGACCGTCCTAA
005	p111w122		<i>IGLV</i>	AGGAGACAGAGTCACCATCACTTGCCAGGCGAGTCAGGACATTAGCGGCTATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCTGAACCTC CTGATCTACGGTGCCGGCAATTTGCATACAGGGGTCCCATCAAGGTTTCAGTGGGAGTGCATCTGGGACAGATTTTACTTTACAATCAGCAGTCT GCAGCCTGAAGATATTGCAACATATTACTGTCAACAGTATGATAGTCTCCCTCTCACTTTCCGGCCCTGGGACCAAGTGGATATCAGGC
005	p111w126		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCCTCCACCTTGTCTGCGTCTGTGCGGAGACAGAGTCTCCATCTCTTGGCCGGCCAGTCAGAACATTAATTA GTTGGCCTGGTATAAACAACAAACCAGGAAAAGCCCTCAACTGCTGATCTATAGGGCGTCTAATTTAGAAAGTGGTGTCCCGACAAGGTTTCAGCG GCCGCGGATCTGGGACAGAGTTCACTCTCACCATCACTAACCTGCAGCCTGACGATTTTGAACCTTATTACTGCCAACAATATAGTAATTTTGG CATTTGGCCAAGGGACCAGGGTGGACATCAAAC
005	p111w127		<i>IGLV</i>	GACATCGTGCTGACCCAGTCTCCGGAGTCCCTGGCAGTGTCTCTGGGCGAGCGGGCCACCATCACCTGCAGGTCCAGCCACAGTCTCTTATCC TCCTCAAGTTATAAGAACTTCTTGGGTTGGTACCAGCAGAAAGCAGGACAGCCTCCTAGACTCCTTCTTACTGGGCATCTGCCCGGAATCCGG GGTCCCTGACCGATTCACTGGCAGCGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAACCTGAAGATGTGGCAGTTTATTCTGT CAGCAATATTATAGTCTCCTCCGACCTTCGGCCAAGGGACCAAGGTGGAGCTCAAGA
005	p111w129		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCCTCTGTAGGAGACAGAGTCACCATCACTTGGCCGGCCAGTCAGAGTGTGACGAGCT GGTTGGCCTGGTATCAGCAGAGACCAGGAAAGCCCTAAACTCCTGATCTATAAGGCGTCTAGTTTAGAATTTGGCGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAACCTGATGATTTTGGAAATTTATTACTGCCAACAATATGATAGTTATTT CTTCACTTTCCGGCCCTGGGACCAAGGTGGATATCAAAC
005	p111w13		<i>IGLV</i>	CGGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACCCGGAACCAGTAGTGACGTTGGTGGTT ATGACTATGTCTCCTGGTACCAACACCTCCCAGGCAAAGCCCCAACTCGTGATTTATGATGTCACTCATCGGCCCTCAGGG
005	p111w133		<i>IGLV</i>	GACATCCAGATGACACAGTCTCCATCGTCCCTGTCTGCATCTTTAGGAGACAGAGTCACCATCACTTGTCCGGCAAGTCAGAGTATTGATAAGTC TTTAAAGTTGGTATCAGCAGAAACCAGGGAAAGCCCTAAGCTCCTGATCTATGGTGCATCTCTTTGCAAAAAGTGGGGTCCCATCAAGGTTTCAGT GCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCACTCTGCAGCCTGAAGATTTTGAACCTTACTATTGT

005	p111w14	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTCACCATCTCCTGCACTGGGACCATCTCCAACATCGGGGC AGGTTTTGATGTACTGGTACCAGCAGTTTCCAGGAACAGCCCCAACTCCTCATCTATGGTAACAAATATCGGCCCTCAGGGGTCCCTGACC GATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCCTATGA CAGCAGCCTGA
005	p111w144	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTTCTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTACATCCATCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGCGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAGGATTTTGCAGTGTATTATTGTCAGCAGTATGGTGGC TCACCTCAAACCTTCGGCCAGGGGACCAAGGTGGAATCAAAC
005	p111w145	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATTTCCTGCTCTGGAAGCAGCTCCAACATTGGGAATA ACTATGTATCCTGGTACCAGCAATCCCAGGAACAGCCCCAACCTCCTCATTTATGACAATGATAAGCGACCCTCGGGGATTCTGACCGATTCC CTGGCTCCAGGTCAGGCACGTCAGCCACCCTGGCCATAGCCGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATACC AGCCTGAGTGTCTGGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTG
005	p111w146	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACATTGGTGCTT ATAACTATGTCTCCTGGTGCCAACAACACCCAGGCAAAGCCCCAACTCATTTTTATGAGGTCAGTAATCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTACTCATATACAC GCAGCACCACATATCGTCTTCGGAACCTGGGACCAAGGTCACCGTCTAG
005	p111w15	IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAAC CGTACTTAGCCTGGTACCAGCAGAAACCTGCCAGCTCCAGCTCGTATCTTTGAAGCGTCCAACAGGGCCACTGGCATCCCAGCCAGG TTCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGC
005	p111w159	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCACCATCTCTTGTCTGGAAGCAGCTCCAACATCGGCATTA ATCGTGTATACTGGTACCAGCAGCTCCCAGGAACGGCCCCAACTCCTCATCTATAGTAATGATCAGCGGCCCTCAGGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTATCACTGCTGC
005	p111w162	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTCTCTGGGGCCCCCTGGGCAGAGGGTCACCATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGC CCTTATGATGTACTGGTACCAGCACCTTCCAGGAGCAGCCCCAACTCCTCATCTTTGATAACAAGTTTCGGCCCTCAGGGGTCCCTGACC GATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTATTGCCAGTCTATGA CAGCGCCCTGAGTGGTAGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAA
005	p111w163	IGLV	GACATCCAGATGACCCAGTCTCCTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCAGCATCACCTGCCGGGCCAGTCAGACTGTTAAGACTT GCTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCTCCTGATCTATGGTGTATCCACTTTG
005	p111w167	IGLV	GCCATCCAGCTGACCCAGTCCCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGGACATCAGTATAG ATTTAGCCTGGTATCTCCAGAGACCAGGGAAAGCGCCTCAACTCCTGATCTCTCATGGCTTTTCGTTTGGAAAGTGGGGTCCCATCAAGGTTTCAGC GGCAGTGGGTCTGGGACAGACTTCACTCTCAGCATCAGCAACCTAGAGCCTGCAGCCTGAGGATTTTGAACCTATTACTGTCAACAGTTTAAAAGTTATCC CTTCTCACTTTTCGGCCCTGGGACCAGAGTGGATGTCAAAC
005	p111w168	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAGGGTCACCATCTCCTGCTCTGGAAGCAGCTTCAACATTGGGAAT AATTATGTCTGCTGGTATCAGCAGCTCCCAGGGACAGCCCCAACTCCTCATTTATGACAATGATAAGCGACCCTCAGGGATTCTGACCGATT CTCTGGCTCCAAGTCTGGCACGTGAGCCACCCTGACATCACCAGGACTCCAGACTGGGGACGAGGCCGATTACTACTGCGCAGCATGGGATGG CGGGCTGAGTTCGGTGGGTTTCGGCGGAGGGACCGAAGCTGACCGTCTAG
005	p111w169	IGLV	GAAATTGTGTTGAAACAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTGAGAGTCTTCAAAAAT CTTTAGCCTGGTATCAACAAAAGCCTGGCCAGGCTCCCAGGCTCCTCATCTATGATTCTTCTCAGAGGGCCACTGGCATCCCAGTCAGATTCAGT GGCAGTGGGTCTGGGACAGACTTCACTCTCAGCATCAGCAACCTAGAGCCTGAAGATTTTGAATTTATTCTGTCAAGGCCGTGGCGAGTGGC CTCCAGTGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
005	p111w17	IGLV	GACTTCTACATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTTGGAGACAGAGTCACCATCACCTGCCGGGCGAGTCAGGCCATTGGTCATT ATTTAGCCTGGTATCAGCACAAGCAGGAAGCATTCTAAACTCCTCATCTATGCTGTATCCACTTTGCAGTCAGGGGTCCCATCTCGGTTCCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATAAGTAGCCTGCAGCCTGAAGATGTTGCGACTTATTACTGTCAAAGTATTTCCGTTGACCC GTGGACGTTTCGGCCAAGGGACCAAGGTGGAGATCGAAC
005	p111w171	IGLV	ACCTTAAAGACTACTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCCTAAACTCCTGATCTATGCTGTATCCACTTTGCAAAGTGGGGTCCC GTCAAAGTTTCAGTGGCAGTGGATCTGGGACAGACTTCACTCTCACCATCAGCACTCTGCAACCTGAAGATTTTGAACCTTACTACTGTCAACAG GTTACAGTACACATAACTTCGGCCAAGGGACACGACTGGAGATGAAAC
005	p111w172	IGLV	AGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCAGCTATTTAAATTGGTATCAGGTGAAACCAGGGAAAGCCCCTAAGCTC CTGATCTATGGTGTCTCACTTTGGAAAGTGGGGCCCCATCAAGGTTTCAGTGGACGTGAATCTGGGACAGATTTCACTCTCACCATCAGCAGTCT TCAACCTGACGATTTTGAACCTTACTTCTGTCAACAGACTTACAGTCCCGGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC



005	p111w174	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCGTCTGTTGGAGACAGAGTCACCATCACTTGTCCGGGCAAGTCAGAGTATTAGCAGCT ATTTAAATTGGTATCAGGAGAAACCAGGGAAAGCCCTAAACTCCTGATCTATGGTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTCCAGT GGCCGTGAATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTTCAACCTGAAGATTTTGCAACTTACTTCTGTCAACAGACTTACAGTCCCC GTACACTTTTGGCCAGGGGACCAAGCTGGAGTCAAAC
005	p111w175	IGLV	CCACTACTCACTACCCCAGCTGGTACCAGCAGACCCCAGGTGACGCTCCACGCACACTCCTCTACAGCACAAATACTCGCTCTTCTGGGGTCCC TGATCGCTTCTCTGGCTCCATCCTTGGGAACAAAGCTGCCCTCACCATCACGGGGGCCAGGCAGATGATGAACGTGATTATTACTGTATGTTGT ATCTGGTACTGGCCAGTTTGTCTTCGGTCTGGGACCAAGGTCACCGTCTAG
005	p111w176	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTTGGAGACACAGTCACCATCACTTGCCGGGCAAGTCAGAGCATGAGCACGT ATTTAAATTGGTATCAGCAGAAACCCGGGAAGGCCCTAAGCTCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGATCCCATCAAGGTTCCAGT GGCAGTGGATCTGGGACGGATTTCACTCTCACCATCAGCAGCTACAGCCTGAAGATTTTGCAACTTATTATTGTCAACAGAGTTCCACTACCT CATGTACACTTTTGGCCAGGGGACCAAGTTGGAGTAAAC
005	p111w20	IGLV	ACAGTCACCATCTCCTGCACTGGGAGCCCTTCCAACATCGGGGACGGCTATGGTGTACATTGGTACCAGCAGCTTCCAGGAAGTCCCCCAAAC TCGTCACTTTGATAAACAACAATCGGCCCTCAGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGACACCTCAGCCTCCCTGGCCATCACTGG GCTCCAGCCTGAGGATGAGGCTGATTATTACTGCCAGTCTATGACAGCAGTCTGAGTGCAGGGGTGTTCCGGCGAGGGACCAAGCTGACCGT CGTGG
005	p111w21	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCCGTGTCTGCGGCCCCAGGACAGAGGTCACCATCTCCTGCTCTGCAACCACCTTCCAGCATTGAAAAA GTTATGTGTATGGTACCAGCAGGTCCCAGGAAACGGCCCCAAACTCGTCATTTATGACAATAACAAGCGACCCCTCATCTATCGCTGACCGATT TCTGGCTACCAGTCTGGCACGTACGCCACCCTGGTCACTCGCCGTCTCCAGCCTGGGGACGAGGCCACTACTACTGCCATACATGGGATGCA AGTCGCGATGTCGGCGTCTTCGGCGGGGACCAAACTGACCGTCTGA
005	p111w24	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT CATTATGTATCCTGGTACCAGCAGCTCCCAGGAACAGCCCCAAACTCCTCATTTATGACAATGATGAGCGACCTGCAGGGATTCTGACCGATT CTCTGGCTCCAAGTCTGGCACGTACGCCACCCTGGGCATCACCAGCTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATAG CAGCCTGACTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p111w25	IGLV	AACTTTATGCTGACTCAGCCCCACTCTGTGTGCGAGTCTCCGGGAAGACGGTGACCATCTCTTGCACCCGCACCAATGGCAGCATTGGCAGCA ACTTTATACAGTGGTACCAGCAGCGCCCGACAGTGCSCCCAGCATTGTGATCTATGAGGATAATCGAAGACCCTCTGGGGTTCCTGATCGGTT CTCTGGCTCCATCGACAGATCCTCCAACTCTGCCTCCCTCACCATCTCCGGCCTTAAGACTGAGGACGCGGCTGACTACTCTTGTGAGTCTTATG ATGACGAAAATTATGTATTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p111w26	IGLV	GCCATCCAGTTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAAGAGACAGAGTCAGCATCACTTGCCTGGCAAGTCAGGACATTAACAGTGC TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGCTCCTAAGGTCCTGATCTATGATACAACCGGTTTGGAGAGTGGGGTCCCATCTAGGTTCCAGC GGCAGTGGAACTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCAACAGTATCATTCTTACCC GTTCACTTTTGGCCAGGGACCAAGCTGGAGTCAAAC
005	p111w3	IGLV	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGGCAGTCACCGTCTCCTGCACTGGAACCAGCAGTGACGTTGGTAGT TATAACCGTGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAAACTCATGATTTATGAGGTGAGTAAGCGGCCCTCAGGGGTCCCTGATC GCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCAGCTCATATGG AGGCAACAACAATATCCTTTATGTGTTTCGGAAGTGGGACCAAGGTCACCGTCTAG
005	p111w35	IGLV	CAGTCTGCCCTGACTCAGCCTCGTCACTGTCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGATATTGGTGAAT ACAACCTGTCTCCTGGTACCTACAGCACCCAGGCAAAGCCCCAAACTCATCTTTATGATGTCAATAAGTGGCCCTCAGGGGTCCCTGGTGC CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACTGAGGATGAGGCTCATTATTACTGCTGCTCATATGCTG GCGCCTACACCTTGATTTTTCGGCGGAGGGACCAAGTTGACCGTCTAG
005	p111w37	IGLV	TCTTCTGAGCTGACTCAGGACCCTACTGTGTCTGTGGCCTTGGGACAGACAGTCACGATCACATGCCAAGGAGACAGGCTCAGAAGCTTTTATG CAAGTTGGTATCAGCAGAAGCCAGGACAGGCCCTATACTTTTTCATCTATAATAAAGACAACCGGCCCTCAGGGATCCCAGACCGATTCTCTGGC TCCAGTTCAGGAAACACAGCTTCTTACCATCATTGGGGCTCAGGCGGATGATGAGGCTGACTATTACTGTTCTCTCGAAACAGCATTGGATA ACCGTGTGGTTTTTTCGGCGGAGGGACCAAGCTAACCGTCTTG
005	p111w39	IGLV	GACATCCAGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGCGGAGACAGAGTCACCGTCACTTGCCGGGCAAGTCAGGATATTAGTATCA ATTTAAATTGGTATCGCCAGAGACCAGGGCGAGCCCTGAACCTCGTGGTCTACTTTGCATCCAATTTGCAAAGTGGGGCCCCATCGAGGTTCCAG TGGCAGTGGATCTGGGACAGATTTCACTCTCACTATCAGCAGTCTGCAACCTGAAGATTTTGCAACTTACTACTGTCAACAGAGTTACAGTTTCCC TGCCACTTTTGGCCAGGGGACCAAGCTGGGATCAAGC
005	p111w43	IGLV	TCTCCAGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCGATGACGTTGGTGGTTTTAACTTTGTCTCCTGGTACCAACAGTATCCAGGCAA AGCCCCAAACTCATAATTTCTGAGGTACTAATCGGCCCTCAGGGATTTCTCGTGGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGA CCATCTCTGGGCTCCAGGCTGACGACGAGGCTGATTATTACTGCTGTTTCATATAACAACAGTAATACTTGGGTGTTCCGGCGGGGACCAAGG GACCGTCTCA

005	p111w44		<i>IGLV</i>	GATATTGTTATGACTCAGTCTCCACTCTCCCTGTCCGTACCCCTGGAGAGTCGGCCTCCATTTTCCTGCAACTCTAGTCGGAGCCTCCTGCATAC TAATGGATTCAACTATTTGGATTGGTACCTGCAAAGGCCAGGGCAGTCTCCACAGCTCCTGGTCTATTTGGGTTCTATTCGGGCCTCCGGGGTCC CTGACAGATTCAAGTGGCAGTGGATCAGGCACAGATTTACTCTGAAAATCAGCAGGGTGGCGGCTGAGGATGTTGGAGTTTATTACTGCATGCA AGTTCTACAAACCACATTCACITTCGGCCCTGGGACCAAAGTGATCAAAAC
005	p111w46		<i>IGLV</i>	TCACCTGTACCCCTTGGACAGCCGGCCTCCATCTCCTGCAAGTCTAGTCAAAGCCTCGTACACAGGGATGGAACACCTACTTGAGTTGGCTTC AGCAGAGGCCAGGCCAGCCTCCAAGACTCCTAATTTATAAGCTTTCTGAGCGGTTGTCTGGGGTCCAGACAGATTCAAGTGGCAGTGGGGCAG GGACAGATTTCACTGAAAGTCAAGCAGGGTGAAGCTGAGGATGTCGGGGTTTATTACTGCATGCAAGCTACACAATTTCTCACACTTTTGGC CAGGGGACCAAGCTGGAGATCAAAC
005	p111w47		<i>IGLV</i>	GCATCTGTTGGAGACAGAGTCAACATCACTTGCCGGGAAGTCAAGAGATTGGCGGATACTTAAATTGGTATCAGCAGAAACCAGGCCAAAGCCC CTAAGTTGTTGATCTATGATGCATCTCGTTTGGAAAGCTGGGGTCCCCTAAGGTTCAAGTGGCGGTGGATCTGAGACAGAATTCACCTCACCATC AGCAGCCTGCAACCTGAAGATTTTGAACCTATTACTGTCAAGAGAGTCAAAGTGACACGTACACTTTTGGCCAGGGGACAAGGCTGGAGATCAA AG
005	p111w48		<i>IGLV</i>	TCTTCTGAGTTGACTCAGGACCCTGTTGTGTCTGTGGCCTTGGGACAGATAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAACGTATTATG CAAGCTGGTACCAGCAGAAGCCAGGACAGGCCCTGTCTTGTATCTTTGGTAATAATAATCGGCCCTCTGGGATCTCAGACCGATTCTCTGG CTCCAACTCAGGAGACTCATCTTCTTACCATCACTGGGGCTCAGGCGGAAGATGAGGCTGATTATTACTGCAACTCCCAGGGACAACAGTGGT AAGCTTTATATCTTCGGAAATGGGACCAAACCTCATCGTCTAG
005	p111w5	40	<i>IGLV</i>	CAGTCTGTGCTGACGCAGCCGCCCTCAGTCTCTGGGGCCCTGGGCAGAGGGTCAACATCTCCTGCACTGGGAGCAGTCCAACATCGGGGC CCCTTATGATGTACACTGGTACCAGCACCTCCAGGAGCAGCCCCAACTCCTCATCTTTGATAACAAGTTTCGGCCCTCAGGGGTCCTGACC GATTCCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCTATGA CAGCGCCCTGAGTGGTAGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCTAA
005	p111w55		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAAGTCAACATCTCCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAACTTTGTCTCCTGGTACCAACAGCACCCAGGCAAAGTCCCCAACTCATGATTTATCAGGTCAGCAGCGCCCTCAGGGGTCCCTGATCG CTTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCTCCTCATCTGCA GGCCCCGACAATCATATTTGTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p111w57		<i>IGLV</i>	CCCTCCTCCTGTCTGTTTCTGTGGGAGACAGAGTCAACATCACTTGCCGGCAAGTCAAGCAGCATTAGTTATCTTTAAATTGGTATCAGCAGAG ACCAGGCACTGCCCTAAGCTCCTGATCTATGTCTTCCATTTGCAGAGTGGCGTCCCATCCAGATTCAGTGCCGATAAATCTGGGACAGATT ACACTCTCACCATCACCAGTCTGCAACCTGAAGATGTTGCAACTTACTACTGTCAACAGAGTTACAGATCTTCCACTTTTGGCCAGGGGACCAGA TTGGAGATCAAAC
005	p111w6		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGCCAGGCGAGTCAGGACATTATCAAATA CTTAAATTGGTATCAGCGGAAACCAGGGAAAGCCCCTAAGCTCCTGATCTACGGTGCATCCAATTTGGAAACAGGGGTCTCATCAACGTTTCAAGT GAAGTGGATCTGGGACAGATTTTACTTTACCATCAGCAGCCTGCAGCCTGAAGATATTGGAACATATTTCTGTCAACAATATGATACTCTCCCTC CGACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
005	p111w62		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAAGTCAACATCTCCTGCACTGGAACCAGCAGTATGTTGGTGAAT ATAACTATGTCTCCTGGTACCAACAGCGCCAGGCAAAGCCCCAACTCATATTTATGCTGTCACTAACCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGATGAGGCTGGTTATTACTGCTGCTCATATGGG GGCACTTTCAGTTCCTCCGTATGTCTTCGGAAGTGGGACCACGGTCAAGCTGCTAG
005	p111w7		<i>IGLV</i>	CGGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCAAGTCAACATCTCCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAACTATGTCTCCTGGTATCAACAACACCCAGGCAAAGCCCCAACTCATGATTTATGATGTCACTAATCGGCCCTCAGGGGTCTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGTTTATATACAG CCAGCACCTCCTATGTCTTCGGACAGGGACCAGGGTCAAGCTCCTGG
005	p111w8		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTCTTGGAGACAGAGTCAACATCACTTGCCGGGCCAGTCAGAGTATCAGTGATTA CTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCTCCTGATCTTAAAGGCGTCTAGTTTAGAAAGTGGGGTCCCATCAAGGTTTCAAGC GGCACTGGATCTGGGACAGAAATCACTCTCACCATCAGCAGCCTGCAGCCTGATGATCTCGCAACTTATTACTGCCAACAGTATAATGGTTATTC TCGGACGTTTCGGCCAAAGGGACCAAGGTGGAATCAAGC
005	p111w81		<i>IGLV</i>	CAGTCTGTCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAAGTCAACATCTCCTGCACTGGAACCAGCAATGATGTTGGTGGTT ATAACTCTGTTTCTGGTATCAACAGAAATCCAGGCCAAGCCCCAACTCATTATTTATGATGTGATAAGCGGCCCTCAGGGGTCCCTGATCGC TTCTCTGGCTCCAGGTCTGGCAACACGGCCTCCCTGACCATCTCT
005	p111w82		<i>IGLV</i>	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTGTCTCCAGGGGAAAGAGCCACCCTCCTGCAAGGGCCAGCCAGAGTGTGCCAGTT ACTTAGCCTGGTACCAACAGAAACCTGGCCAGGCTCCAGGCTCCTCATCTAT

005	p111w83	<i>IGLV</i>	GAGATAATGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAACTACA AAGTAGCCTGGTATCAGCAGAAAGCGGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCGCCAGGGCCCCTGGTATCTCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCCGAAGATTTTGCAGTTTATTACTGTCAACAGTATGAATACTGG CTCTACACTTTTGGCCAGGGGACCAACTGGAGATCAAAC
005	p111w89	<i>IGLV</i>	CAGACTGTGGTGACTIONCAGGAGTCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTTTTACCTGTGCTTCCAGCACTGGAACAGTCAACAGT CTAACTATCCAAACTGGTTCCAGCAGAGACCTGGACAAGACCCAGGGCACTGATTTATAAAAAAAGCAACAAACACTCCTGGACCCAGCCCCG GTTCTCAGGCTCCCTCCTTGGGGCAAAGCTGCCCTGACACTGTGAGGTGTGCAGCCTGAGGACGAGGCTGAATATTACTGCCTGATCTACAATG CTGGTACCCTTGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
005	p111w92	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCAACATCTTGTTCGGGAGCAGCTCCAACATCGGAAGT AATACTGTAACTGGTACCAGCGGGTCCCAGGAACGGCCCCAAACTCCTCATCTATACTAATAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGTGCAGCATGGGATGA CGGCCTGAATGGTCCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCGAG
005	p111w93	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGTGAGAGGGTCAACATCTTGTTCGGGAGCAGCTCCAACATCGGAAGT AATTATGTATACTGGTACCAGCAGATCCCAGGAACGGCCCCAAAGTCGTATTTTTACTACTAATCAGCGGCCCTCAGGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTATTACTGTGCAGCATGGGATGA CAGGCTGAAAGAAGTGTCTTTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
005	p111w97	<i>IGLV</i>	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTCAACCCGGGAGAGCCGGCCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTCTATA GTAATGGATACAACATTTGGATTGGTTCCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATATGGGTTTTAATCGGGCCTCCGGGGTCC CCTGAGAGGTTTCACTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTACTACTGCATGC AAGCTCTACAAAATCCTCGTACGTTCCGGCAAGGGACCAAGGTGGAATCAGAC
005	p112w100	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCACTCACCATCTCCTGCAGTGGAAACCAGCAGTACGTTGGTGGC TATAGTTATGTCTCCTGGTATCAACAACACCCAGGCAAAGCCCCAGACTCCTGATTTATGGGGTCAATAGCCGGCCCTCAGGGGTCCCTGATC GCTTCTCTGGCTCCCAGTCTGGCAACACGGCCTACCTGACCGTCTCTGGGCTCCAGCCAGAGGATGGGGCTGATTATTACTGCAGCTCATATAC AGGCACCCGACTTATGTCTTCGGAACGGGACCAAGGTACCGTCCCTAG
005	p112w101	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCACTCACCATCTCCTGCAGTGGAAACCAGCAGTACGTTGGTGGT CTAACTTGGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAAAGTCATGATTTATGAGGTCACTCAGCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTACTACTGCAGCTCATATGCA GGCAGCGACATTTATGTCTTCGGAACGGGACCAAGGTACCGTCCCTAG
005	p112w104	<i>IGLV</i>	TCCTTTGAACTGACACAACCACCCTCGTTGTCAAGTGTCCCCAGGACAGACGGCCCGGATCACGTGTTCTGGAGACACACTGCCAAAACAGTATG CTTATTGGTATCAACAGAAGACAGGCCAGGCCCTGTTTTGGTGATATATAAAGACACTGAGAGGCCCTCAGGGATCCCTGAGCGATTTTCTGGC TCCAGCTCAGGGCCGACAGTCAAGTTGACCAATAGTGGAGTCCGGGCGAGAAGACGAGGCTGACTATTACTGTCAATCAGCAGACAGCGCTGGC ACTTATTGGATGTTCCGGCGGAGGGACCAACCCTGACCGTCCCTAG
005	p112w109	<i>IGLV</i>	CAGCTTGTGCTGACTCAATCGGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAACCTCACCTGCAGTCTGAGCAGTAGTCACAGCTACTACG CCATCGCATGGCATCAGCAGCAGCCAGAGAAGGGCCCTCGGTACTTGATGAAGGTTAACAGTGTAGTACACCAAGGGGGACGGGATCC CTGATCGCTTCTCAGGCTCCAGCTCTGGGGCTGAGCGCTACCTCGCCATCTCCAGTCTTCACTGAGGATGAGGCTGACTATTACTGTGACAGC CTGGGGCCCTGGCAGTAATTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
005	p112w111	<i>IGLV</i>	CAGGACGGGCTGACTCAGCCACCCTCGGTGTCCAAGGACTTAAGACAGACCCGACACTCACCTGCAGTGGGGACAACAACAATGTCCGGCGAC CAAGGAGCAGCTTGGCTGCAGCAGCACCCAGGGCCACCTCCCAAACCTCTGCTACAGGAATAACAACCGGCCCTCAGGGATCTCAGAGAGA TTGTCTACATCCAGGTCAGGCAACACAGCCTCCCTGACCAATTGCTGAGCTCCAGCCTGAGGACGAGGCTGACTATTACTGCGCAGCTTGGGACA GGAGACTCGATGCTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
005	p112w112	<i>IGLV</i>	TATTAGTACCTATTTACTGTTATCAACAGAAGCCAGGGAAAGCCCCTAGGCTCCTCATTTCTGATGCATCCAGCCTGCAGAGTGGGGTCCCAT CAACGTTCAAGTGGCAGTGGATCTGGGACAGATTTCACTCTACCATCAGCAGTCTGCAACCTGAAGACTTTGCAAGTTACTACTGTCAACAGACTT ACAGTACCCCGATGTACAGTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
005	p112w114	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCACCGTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTCCCGGGCCAGTCAAGATTTTATCACTA CTTGGCCTGGTATCAGCAGAGACCAGGAAAGCCCCTCACTCCTGATCTTTGATGCCTCATTATGGAAGGTGGGGTCCCATCAAGGTTTACG GGCGGTGGATCTGGGACGGAGTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGACTTTGCTACTTACTTCTGCCAACAGTATAATAGTGATTC TCCCCGTGGACGTTCCGGCCAAGGGACCAAGTGGAGATCAAAC
005	p112w119	<i>IGLV</i>	TCTTCTGAGCTGACTCAAGACCCTGCTGTGTCTGTGGCCTTGGGACAGACAGTCAAGGATCACGTGCCAAGGAGACAGCCTCAGAAGTTTTATG CCAGCTGGTACCAGCAGAAGCTAGGACAGGCCCTGTTCTTATCATCTATGGTAAACAATTACCGGCCCTCAGGGATCCAGACCGATTCTCTGG CTCCAACCTCAGGAACTCAGCTTCCCTGACCATCACTGGGGCTCAGGCGGAAGATGAGGCTGACTATTACTGTACGTAACGTAACGGTCTTCCGGAAC GGGACCAAGGTACCGTCCCTAG

005	p112w126	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACACAACGTACCATCTCCTGTTCTGGAAGCAGCTCCAACATTGGGAAGA GTTATGTCTCCTGGTACCAGCAACTCCCAGGAACAGTCCCAAGCTCCTCATTTATGACAATAAATCGACTCTCAGGGATTCTGACCGATTCT CTGGCTCCAAGTCTGGCGCGTCAGCCACCCTGGGACTCACCGGACTCCAGACTGGGGACGAGGCCGATTATTATTGCGGAACATGGGATACCA GCCTGAGTGGTTATGTCCTCGAACTGGGACCAAGGTACCGTCTCTGG
005	p112w127	IGLV	ACCTGACTCAACCGCCCTCCGCGTCCGGTCTCCGGGACAGTCAGTACCATCTCCTGCACTCGAACCACCGGTACCCTGGGTCTAATGATCA TGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAACCTCCTGATTTATGAAGTACTAAGCGGCCCTCGGGGGTCCCTGACCGGTTCTCT GGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGCTCCAGCCTGAGGATGAGGCTGATTAT
005	p112w129	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTACCATCTCCTGCTCTGGAAGTAGCTCCAACATTGGGCGT AATTCTGTATCGTGGTACCAGCAGTCCCAGGAACAGCCCCAACTCCTCATTTATGACAATAAAGCGACCCCTCAGGGATTCTGACCGATT CTCTGGCTCCAAGTCTGGCACGTACAGCCACCCTGGACATCACCAGTCTCCAGACTGGGGACGAGGCCGATTACTGCGGTACATGGGATAA CAGCCTGAGTCTGGGGGTGTTTCGGCGGAGGGGACCAAGGTACCGTCTAG
005	p112w135	IGLV	GATGTTGAGATGACTCAGTCCCCACTCTCCCTGCCGTACCCTCGGGCAGTCGGCCTCCATCTACTGCAGGTCTAGTCAGAGCCTCGTATACA GTGATGGAGGCACCTACTTGAAGTGGTATCAACAGAGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTAACCAGGACTCTGGGGT CCCAGACAGATTACAGCGCAGTGGGTACAGGACTGATTTACACTGAGGATCGACAGGTTGAGGCTGACGATGTTGGGGTTATTTTTGCATG CAGGGTACACATCGGCCGTGGACGTTTCGGCCCTGGGACCAAGGTCAAAATCAAAT
005	p112w136	IGLV	CAGACTGTGGTGACCCAGGAGCCATCGTTCTCAGTGTCCCTGGAGGGACAGTCACACTCACTTGTGGCTTGACCTCTGGCTCAGTCTCTACTA CTTACTACCCCAACTGGTACCAGCAGACCCAGGCCAGGCTCCACGCACGCTCATCTACAGCACAAACGTTCCGGTCTTTTGGGGTCCCCGATCG CTTCTCTGGCTCCATCCTTGGGAACAAGCTGCCCTCACCATCACGGGGGCCAGGAGATGATGAATGTGATTACCACTGTGCACTGTATATG GGAAGTGGCATTGGGTGTTTCGGCGGAGGGACCAAGGCTGACGGTCTAA
005	p112w146	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCCTCTGGTACCCCGGGCAGAGGGTACCATCTCTTGTCTGGAGGCCACTCCAACATCGGAAGTA ATTATGTGTACTGGTACCAGCAGCTCCCAGGAACGCCCCCAAACCTCCTCATCCATAAGAATAATCAGCGGCCCTCAGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGGTGATTACTGTGTGGCATGGGATGA CAGCCTGAGTCGTCCGGTATTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p112w159	IGLV	AGAGCGCGTACCATCACTTGCCAGGCGAGTCAGAACATTAGAACCAAGGTTAATTGGTATCAGCAGAAACCAGGGAAAGCCCTAAGCTCCTG ATCTACGATGCATCCGATTTGGAGGCGGGGGTCCCATCAAGGTTTCACTGGACGTAGATCTGGGACACTTTTTACTTTACCATCAGTAGCCTGCA GACTGAGGATGTTGCAACATATTACTGTCTACAGTATGATGATCTAGTGTTCACCTTCGGCCCTGGGGACCACAGTGGATATCAAGC
005	p112w162	IGLV	GCCATCCAGTTGACCCAGTCTCCAACCTCCCTGTCTGCATCTGTAGGAGACAGAATCACCATCACTTGCCGGGCCAGTCAGGACATTAGACGTT CTGTAGCCTGGTATCAGCAAAAACAGGGAAACGCCCTAGGCTCCTGATCTATGCTGCATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTTCAAG CGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATCTTGCAACTTACTGTCAAGAAGTTGATAGGTCCC CTTATTTAGTTTCGGCCCTGGGACCAAAAGTGGAATCAAAC
005	p112w163	IGLV	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGTCTCCTGGACAGTCAGTACCATTTCTGCACTGGAACCAGCAGTGTGTTGGTGGTT ATGGCTCTGTCTCCTGGTACCAACATCACCCAGGCACAGACCCCAAAGTCCCTGATTTATGATGTCAATAAGCGGCCCTCAGGGGCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTACTGCTGCTCATATGCA GGCAGCTACAATTTGATATTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p112w164	IGLV	CAGACTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCAGGAGGGACAGTCACCTCTCACCTGTGCTTCCAGCACTGGAGCAGTCACCAGG GATTACTCTCCAGGCTGGTTCCAGCAGAAACCTGGACAAGCACCCAGGGCACTAATTTATAGTATAACCAACAAACACTTCTGGACCCCTGCCCC GTTCTCAGGCTCCCTCCTTGGGGGCAAGGCTGCCCTGACACTGTGAGTGTGACGCTGAGGACGAGGCTGACTATTACTGTCTGCTCTACTAT GGTGGTGGTGGGCTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p112w167	IGLV	CTCATGATTTATGCGGTGAGTGTGCGGCCCTCAGGGATTTCTAGTGCCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTG GGCTCCAGACTGAGGACGAGGCTGATTACTGCAGCTCATATACAAGCAGTAGTAGTGTGATATTCGGCGGAGGGACCAAGCTGACCGTCTCT AG
005	p112w168	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGTGTTGGTGGTT ACAATATGTCTCCTGGTACCAACAGCACCCCGCAAAGTCCCCAACTCATGATTTATGAAGTACTAGTGGGCCCTCAGGTGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCGACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGAATATTACTGCAGCTCATATACAA GCAGCGCACTCTGCTATTCGGCGGGGGACCAAGCTGACCGTCTAG
005	p112w17	IGLV	CATCCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAATGACATTGGTGGTT ATAACTATGTCTGTTGGTACCAACAACACCCAGGCAAAGCCCCAACTCATGATTTATGAGGTGAGTAAATCGACCCCTCAGGGGTTTCTCATCGC TTCTCTGGCTCCAGGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTACTGCAGCTCATATACAA CCAGCAGCAATATTGTCTTCGGCGGAGGGACCAAGGTGACCGTCTAG

005	p112w172	IGLV	ACTTATCATGTACTGGTACCAGTATCTTCCAGGAAGAGCCCCAAAGTCTCATCTATGGTGACACCAATCGGCCCTCAGGGGTCCCTGACC GATTCCTCTGGCTCCAAGTCTGGCACCTCCGCTCCCTGGCCATCACTGGGCTCCAGCCTGAGGATGAGGCTGATTATTACTGCCAGTCATATGA CAGCAGCCCTACTTGGGTGTTGCGCGGAGGGACCAAGTTGACCGTCTAG
005	p112w174	IGLV	CAGTCTGCCCTGACCCAGCCTGCCTCCGTGTCTGGTCTCCTGGACAGTTCGATCACCATCTCCTGCACTGGAGCCAGCACTGACATTGGTTCTT ATAACTTTGTCTCCTGGTATCAACAGTACCCAACCAAGCCCCAAACTCCTGATTTATGAG
005	p112w175	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCTCTTGCCGGGCAAGTCAGGGCGTTAGAAATG ATTTAAGCTGGTTTCAGCAGAAACCAGGGAAAGCCCTGAGCGCCTGATCTATGCTTCATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTGAGC GGCAGTGGATCTGGGACAGAATCACTCTC
005	p112w176	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTATTTTATACA CCTCCAAACAATCGCAACTACTTAGCTTGGTACCAGCAGAAACCAGGACAGCCTCCTAAACTGCTCATTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTTCAGTGGCAGCGGGTCTGCGACAGATTTCACTCTCACTATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTATAGTCTCCTCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAGTC
005	p112w178	IGLV	CCAGCAGTGACATTGGTGGTTATAACTATGTCTCCTGGTACCAACAACACCCCGGCAAAGCCCCAAAGTCTTGATTTTTGATGTGATGATCGG CCCTCAGGAATTTCTGATCGCTTCTGGCTCCAAGTCTGGCAACAGGCCTCCCTGACCATCTCTGGGCTCCGGGCTGAAGACGAGGCTGATT ATTACTGCAGCTCATATTCACGCACCAGTCAATTATGTCTTCGGAAGTGGGACCAGGGTCACTGTCGTAG
005	p112w25	IGLV	CCCTCTCCTGCACTGGGAACAAGTCCAACATCGGGGCTGGTCAATGATGTACTGGTACCAGCACCTTCCAGGAACAGCCCCAAACTCCTCAT CTATAGTAACACCAATCGGCCCTCAGGGGTCCCTGACCGATTCTCTGGTTCCAACTCTGGCACCTCCGCCTCCCTGGGCATCACTGGGCTCCAG GCTGAGGATGAGGCTGATTATTTCTGCCAGTCCATGACAGCAGCCTGAGTGGTTATATCTTCGGAAGTGGGACCAAAAGTCAACCGTCCCTAG
005	p112w26	IGLV	TGCACTGGAACCAGCAGTGACGTTGGTGGTTTTAACTTTGTCTCCTGGTACCAACAACACCCAGGCAAAGTCCCCAAACTCATGCTTTATGAGGT CACTAATCGGCCCTCAGGGGTTTCTGATCGCTTCTCTGGCTCCAAGTCGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGA CGAGGCTGATTATTACTGCACCTCATATACAACCAGCGCCACTCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCTGA
005	p112w3	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTCAACATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGC AGGTCATGATGTACTGGTACCAGCAACTCCAGGAGCAGCCCCAGACTCCTCATGTATGGTAAGACTAATCGGGCCTCAGGGGTCCCTGAC CGATTCCTGGCTCCAAGTCTGACACCTCAACCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGGTGAATATTACTGCCAGTCCATG ACAGCAGCCTGAGTGCCGTGGTATTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p112w30	IGLV	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAATCACCATCTCCTGCACTGGAGCCAGCAGTGATTTTGGTGGTG TTAATTTTGTCTCGTGGTACCAGCACACCGAGGCAAAGCCCCAAACTCATTATTTATGATGTACTAAGCGGCCCTCAGGGGTCCCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGCCTGAGGATGAAAGTGAATATTACTGCTGCACATATGTTG GCAGCTACACTTCTGTGGTTTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
005	p112w36	IGLV	GACATCCAGATGACCCAGTCTCCTCCACCCTGTCTGCATCTGTGCGGAGACAGAGTACCATCACTTGCCGGGCCAGTCAGAGCATTGGTAGTT GGTTGGCCTGGTATCAGCAGAAACCAGGAAAGCCCCAAAGTCTGATCAATTCTGCCTCCAGTTTGGAAAGTGGGGTCCCATCAAGGTTGAG CGGCAGTGGATCTGGGACAGAAATTTATTCTCACCATCAACAACCTGCAGCCCAGTATTTTGAACCTTACTGCCAACAGTATAAAAGTTACCC TTGGACGTTTCGGCCAAGGGACCAAGGTGGAAGTCAAAC
005	p112w37	50 IGLV	GAAAAAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGGCAGC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGCCAGGTTT AGTGGCAGTGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTCAGCACTATAATAACTG GCCTCTACCTCCGGCCAAGGGACACGACTGGAGATTAAC
005	p112w44	IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATACACCAGGGCCACTGGTATCCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTCAGCAGTATAATAACTGG CCTCCCTCTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
005	p112w46	IGLV	CAGTCTGTCTGACTCAGCCACCCTCAGCGTCTGGGGCCCCCGGACAGAGGGTCAACATCTCCTGTTCTGGAGGAAGTTCCAATATCGGAAGG AATAGTGTGTTTTGGTACCAACAACCTCCAGGAACGCCCCCACCTCCTCATTATTATGATAATCAGCGTCCCTCAGGGGTCCCTGACCGATT CTCCGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGACTCCAGTCTGAGGATGAAGCTGACTATCATTGTGGAGCATGGGATGAC GGCCTGAATGCTTGGCTGTTTCGGCGGAGGGACCAAGGTGACCGTCTCTCG
005	p112w5	IGLV	TACTTATAAGTATGTCTCCTGGTATCAGCAACACCCAGGCAAAGCCCCAAATTCATAATTTTTGATGTGATGATCGGGCCTCAGGGATTTCTAA TCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGTCTCCGGGCTGAGGACGAGGCTGATTATTACTGCACGTCATAT GCAACCAAACCATCTACTCGGTCTGGAGGGACCAAGCTGACCGTCTCTAG
005	p112w55	IGLV	GAAATTTGTGTTGACGCAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGATGAAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCGGCA ACTACTTAGCCTGGTATCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATTATGGTGCATCC

005	p112w59		<i>IGLV</i>	GACATCCACATGACCCAGTCTCCATCTTCCCTGTCTGCATCTGTTGGGGACAGAGTCAACATCACTCGCCGGGCAAGTCAGACCAGGGAAAGCC CCCAACCTCCTAGTGTGGTGCATCCAATTTGCAAAGTGGGGTCCCGTCAACGTTCAAGTGGCAGTGGATCTCGGACAGATTTCACTCTCACCAT CAACAGTCTGCAATCTGAAGATTTTGTACTGTTGGCCTAGGGGACCTAGCTGGAGATCAATCGAACTGTGGCTGCACCTTCT
005	p112w6		<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAGGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTACTTAGCCTGGTACCAGCAGAAAACCTGGCCAGGCTCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCTGCAGTCTGGTAGC TCACCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
005	p112w69		<i>IGLV</i>	CAGCTTGTGCTGACTCAATCGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAACCTCACCTGTACTCTGAGCAGTGGGCACAGCAGCTACG CCATCGCATGGCATCAGCAGCAGCCACAGAAGGGCCCTCGGTACTTGATGAAGCTTAATAGTGATGGCAGCCACACCAAGGGGGCCGGGATCC CTGATCGTTCTCAGGCTCCAGCTCTGGGCTGAGCGCTACCTCTCCATCTCCAGCCTCCAGTCTGATGATGAGGCTGACTATTACTGTCTCAGAC CTGGGGCACTGCCATTGGGTATTTCGGCGGAGGGACCAAGCTGACCGTCTAC
005	p112w7		<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCAACCTCTCCTGCTCTGGAACAGCTCCAACATTGGGAATA ATTATGTATCCTGGTACCAGCAGTTCCCAGGAACAGCCCCCAGACTCCTCATTTTTGACAATGATAAGCGACCCTCAGGGATTCTGACCGATTCT TCTGGCTCCAAGTCTGGCAGCTCAGCCACCCTGGGCATCACGGACTCCAGACTGGGGACGAGGGCCGATTATCACTGCGAAGCGTGGGATAGC AGCCTGAGTGTGGGGTGTTCGGCGGAGGGACCAAGGTGACCGTCTCTAA
005	p112w81		<i>IGLV</i>	CCACCAGTGTCTTTGGTGATTATGAATTTGTCTCCTGGTACCAACAGCACCCCGGCAAAGCCCCAAACTCATGATTTATGAGGTCGATAAACGG CCCCAGGAATTTCTGATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGAGCATCTCTGGGCTCCATGCGGAAGACGAGGCTTATT ATTACTGCAGTTATATAACAATGACCACAACCTTATTTCGGCGGAGGAACCAAGCTGGCCGTCTAA
005	p112w82		<i>IGLV</i>	TCCTATGAGCTGACACAGCCATCCTCAGTGTGAGTGTCTCCGGGACAGACAGCCAGGATCACCTGCTCAGGAGATGTACTGGCAAAGAAATATG CTCGGTGGTCCAGCAGAGGCCAGGCCAGGCCCTGTTCTAGTGAATTTATAAAAACAATGCGCGGCCCTCTGGGATCCCTGAGCGATTCTCCG GCTCCAGCTCAGGGACCACAGTCACCTTGACCATCAGCGGGGCCAGCTTGAGGATGAGGCTGACTATTACTGTACTCTGCGGCTGACAAAAAG TCTAGGAATGTTTCGGCGGAGGGACCAGGCTGACCGTCTAG
005	p112w93	42	<i>IGLV</i>	GCTCACCATCTCCTGCACTGGATCCAGCATTGGACTTTATAACCTTGTCTCCTGGTACCAACACCACCAGGCAAAGCCCCAAACTCATGATTT ATGAGGTCACCTAAGCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGC TGAGGACGAGGCTGATTATTACTGCTGCTCATATGTAGGTAGTAACACTATGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTCTAA
005	p112w97		<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCCGTGTCTGCGGCCCCAGGACAGAGGGTCAACCTCTCCTGCTCTGGAAGCACCTCCAACATTGAAAAC AATTATGTGTCTGGTACCAGCAGGTCCCGGGAACGGCCCCAAACTCGTCAATTTATGACAATAATAAGAGAGCCTCAGGTATTCTGACCGATT CTCTGGTACCGCTCTGGCAGCTCAGCCACCCTTGACATCGCCGGCTCCAGCCTGGGGACGAGGCCGATTACTACTGCAATACATGGGATTC AAGCCGCGATGTCGACGTCTTCGGCGGAGGGACCAAACTGACCGTCTGA
004	p132w10		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCACTGTCTCTGGAGGCTCCGTCACCAGT GGTAGTTATTATGGAGCTGGATCCGGCAGCCCGCGGGAAGGGACTGGAGTGGATTGGGCATATCTATAACCAGTGGGAGCACCGACTACAAC CCCTCCCTCAAGAGTCGAGTCACCATATCAATGGACACGTCCAAGAACCAGTTCTCCCTGAAACTGATCTCTGTGACCGCCGACAGACAGGCCG TGTATTACTGTGCGAGAAACCATCCTGCTTACATTGACTACTGGGGCCAGGGAACCCTGGTACCGTCTCTCTAG
004	p132w101		<i>IGHV</i>	CAGATCACCTGAAGGAGTCCGGACCTACGCTGGTGAATGCCACACAGACCCTCACGCTGACCTGCACCTTCTCGGGATTGCACTCACCATAA GTGGAGAGAGTGTGGGCTGGTCCGTCAGGCCCCAGGAAAGGGCCCTGGAGTGGCTTGCCTCATCTCTGGGATGATGATAAGCTCTACAGGC CATCTCTGAAGAACAGGCTCACCATTTCGAAGACACCCCAAAACAGGTAGTCTTAACAATGACCAACATGGACCCTGTGGACACAGCCACAT ATTATTGTGTTAATAAGAGGAGAGTCAATTCCAACGACTTCTGGCCTACACACATTTGTGGACTGGTTCGACCCCTGGGGCCAGGGGACCT GGTACCGTCTCTTACG
004	p132w106		<i>IGHV</i>	GAGGTGCACCTGTTGGAGTCGGGGGAGCCTTGGTGCAGCCGGGGGTCGGGTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTAGTAGC GATGCCATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGTTATTGGAAGTGAAGTGAATAACATACACTATGCAGAC TCAGTGAGGGGGCCGTTACCACTCCAGAGACAATTCCATGAACGCGCTATATCTGCAATGAACAGCCTGACACCCGAGGACACGGCCGTCT ATTACTGA
004	p132w107		<i>IGHV</i>	CAGGTGCAACTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGTAGCCTCTGAATTCACCTTACGTACC TATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGATGGAGACAACATATATTATACAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAATACGCTGTTTCTGCAGATGAACAGCCTGAGACCTGAAGACACGGCTGTCTA TTACTGTGTGAACAGATGGGGAGGAACCTTAACACTACGGTCTGGACCTTGGGGCCAGGGGACCAAGGTCACCGTCTCTGCTCA

004	p132w108	IGHV	GAGGTGCAGCTGGTGGAGTCTGGAGGAGGCTTGATCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGGTTACCCGTCACTAG CAACTACATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGTTATTTATAGCGGTGGTGACACATACTACGCAGACTC CGTGAAGGGCCGATTACCATCTCCAGAGACAATCCAGGACCACGCTGTATCTTCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTAT TTCTGTGCGAGAGCAAAGTATAGCACTGGCTGGTGGGATGCGTTTGATATCTGGGGCCAAGGGACAAAGGTACCCGTCTCTTCAG
004	p132w113	IGHV	GCGGTGGACCTGGTGGAGTCTGGGGGCGGTGTGGCGCGGCCGGGGGGTCCCTGAGACTGTCTGTGCAGCCTCTGGATTCACCTTTGATGA TCTTGGGATGACCTGGGTCCGCCAAGTTCCAGGGAAGGGGCTGGAATGGGTGCTGATATAAATTGGAGTGGGACTGACACAGGTTATGCAGA CTCTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAATTTCTGTATCTGCAAATGAACAGTCTGAGAGTCAAGACACGGCCTTCT ATTACTGTGCGAGGGGATTACCCCATAGAGGGCCGCTTTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p132w117	IGHV	CAGGTGCAGCTTCAAGAGTCCGGGCCAGGACTGGTGAAGCCTTACAGTCCGTGTCCCTCACGTGCACTGTGTCTGGTGGCTCCATCAGCAGT GGTCGTTACTACTGGAAGTGGATCCGCCAGCAACCCAGGGAAGGGCTGGAGTGGATTGGTTATATTTCTGATAGTGGCATTATTACAACCCGT CCCTCAAGAGTCAAGTACCATATCAATAGACGCGTCTAAGAACCAGTTCTCCCTGGAGCTGAAGTCTGTGACTGCCGCGGACACGGCCGTCTA TTATTGTGCGAGAATGACTACGTTGACCCCTTGACCACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p132w119	IGHV	GAGATGCAGCTGGTGGAGTCTGGCGGAGGCTTGTAAAGCCTGGGGGGTCCCTGAGAATCTCCTGTGCAGCCTCTGGATTCATGTTCCGAAAAAC ACCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATTGGCCATATTTACAGCAAAAATTCTGGTGGGACAGCAGTTTAT GCTGCACCCGTGAAAGGCAGATTCACCATCTCGAGAGATGACTCAAAAAACATGTTGTATCTGCAAATGAGCAGCCTGAAAATCGAGGACACAG CCGTGTACTATTGTACCATTTGAGTGGATATTATTGACAAATGGGGCCAGGGAACCCCGGTACCCGTCTCCTCAG
004	p132w125	IGHV	CAGATCACCTTGAAGGAGTCTGGTCCACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCAGTCTCTCTGGTTCTCACTCAGCACTA GTGGAGTGGGTGTGGGCTGGATCCGTACGCCCCAGGAAGGCCACTGGAGTGGCTTGCACTGATTTATTGGGATGATGATAAGCGCTACAGCC CATCTCTGGAGAGCAGGCTCACCATCACCAGGGACACCTCCAAGAACCAGGTGGTCCCTTACACTGACCAACATGGACCCTATGGACACAGCCAC ATATTACTGTGCACACAGGCCCCGAGGTAGCAGCTTCGGACTGGTTCGACCCCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p132w126	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCGCTTTAATAGT TATGACATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATTAGTATTAGTCTACTTACATATATTACGCAGACTC AGTGAAGGGCCGATTACCACCTCCAGAGACAACGCCAAGAACTCACTTTATCTGCAAATGAACGGCCTGAGAGTCAAGGACACGGCTGTGTAT TACTGTGCGGCATCCTCGTATAGCAGCAGCAGTCAAACCCGACTACTTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p132w128	IGHV	CAGGTCCAAGTGCAGGAGTCCGGGCCAGGGCTGGTGGAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCCGGTAGTTCATCACAAT AGTAACTATTACTGGGCTGGATCCGCCAGGTCAGGGAAGGGGCTGGAGTGGATTGGCAGTGTCTATTATAGTGGCTCCTATTACAACCCGT CTCTCGAGAGTCGTCTCAGCCTGTGAAAGACACGTCCAAGAATGAACTTCTTCTGAAGTTGCTCTCTGTGACCCTCCGACAGCTCGGGTATTTAT TACTGCGCGAGGATCCTCTACACTTATGGCCGCTACTATTTTGACTACTTCTGGGGCCAGGGAACCCCTGGTCACCGTCCGCTCAG
004	p132w130	IGHV	CAGCTGCAGCTGCAGGAGTCCGGGCCAGGGCTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGTACTGTCTCTGGTGCCTCCATCAACAAT AATGTTTACCACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGACTGGAGTGGCTTGGGAGTCTCTCTTACGGTGGGAGCACCTACTCCAAC CCGTCCCTCAAGAGTCAAGTACCATATCCGTAGACAGTCCAAGAACCAGGTGCGCCTGAAGCTGAGCTCTGTGACCGCCGACACACGGCT GTTTATTTCTGTGCGAGACGGGGTAAGAGCAGCTGGTATCACCGATCAGACTACTATTACTACGGTCTGGACGTCTGGGGCCAAGGGACCACGG TCACCGTCTCTTCA
004	p132w132	IGHV	CAGTTGCAACTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGCAGT AGTGATTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGACTATCTATTATACCGGGCGCGCCTATTCTAACCC CGTCCCTCGAGAGTCAAGTACCATATCCGTTGACACGTCCAAGAACCAGTTCTCCCTGAATCTGAGCTCTGTGACCGCCGACACACGGCTGT GTATTACTGTGCGAGACATGTAGCCTCCTTATATTACGATTTTTTGGAGTGGTTATTATACGACCTTTGACTACTGGGGCCAGGGAACCCCTGGTCA CCGTCTCCTCAG
004	p132w133	IGHV	CAGGTGCACCTGGTGCAGTCTGGGGCTGAGGTGAGGAAGCCTGGGGCCTCAGTGAATAATTTCTGCGAGGCATCCGGATATGATTTCCGGCAGT TTTTATTTGCACTGGCTGCGTCTGGCCCCCTGGACAAGGGCTTGAGTGGATGGGAATAATCAACCCCTTATGGTGGTCTGTCAAGTTACGCAAAAGAA GTTCCAGGGGAGAGTCAACATGACCGCTGACAGTCCCTCGGACACAGTTTACATGGAATTGAGTGGTCTGACATGACGACACGGCCGTCTAT TACTGTGCGAGAGTTCCGGGTAGCGCCAGCTGGTGGTTGACTACTGGGGCCAGGGAACCCAGGTACCGTCTCCTCAG
004	p132w134	IGHV	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAAACTCCAGGAAAAGGTCTGGAATGGGTGCGCAATTATTGGTACTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTACCATCTCCAGAGAGAATGCCAAGAATTCCTTATATCTTACATGAACAGCCTCATAGCCGGGGACACGGCTGTGTATTAC TGTGCAAGAGACCCGGTGGTGGGTTGGGTGCCACTGGCTGGTTCGTAACCTGGTACTTCGATCTCTGGGGCCGTGGCGCCCTGGTCACTGTCTCC TCAG

004	p132w135	IGHV	CAGGTCCAGCTTGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGGCTTCTGGATACAGCTTCACTTATC ACGTTATGCATTGGGTGCGCCAGGCCCCCGGACAAGGGCTTGAGTGGATGGGATCGATCAACGGTGGCAATGGTCACACACAATTTTCACAGA AGTTCACAGGGCAGACTCACCTTTACCAGGGACACATCCGCGGGCAGAGCCTACATGGAGCTGAGCAGTCTGAGGTCTGAAGACACGGCTGTTT ATATGTGTGCGAGAGATGCGTGTACTAATGGTATTTGTCCCTACTATTACTACGCCATGGACGTCTGGGGCCTAGGGACCACGGTCACCGTCTC CTCA
004	p132w137	IGHV	CAGCTGCAGTTGCACGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTATCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCGGCACT AGTAATTAATACTGGGGCTGGATCCGCCAGTCCCCAGGGAAAGGGGCTGGAGTGGATTGGGAGTTTCTATTATAGTGGGAGCACCTACTCCAACC CGTCCCTCAAGAGTCGAGTCACCAATTTCCGTAGACACGTCTAAGAACCCTTCTCCCTGAAGCTGAGTCTGTGACCGCCGAGACACGGCTGT GTATTACTGTGCGAGGATTTACAGTTGGGGGAGTTACCCCGCCGGCTACTATTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTCACCGT CTCCTCA
004	p132w142	IGHV	CAGATCACCTTGGAGGAGTCTGGTGTACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCACTCAGCACTA GTGCAGTGGTTGTGAGCTGGATCCGTACGCCCCAGAACGGCCGCTGGAGTGGCTTGCACCTATTTATGGGGATGGTGATAAGCGCTACAGCC CATCTCTGCAGAGCAGGCTCACCATCACCAAGGACACCTCCAAAACCAGGTGGTCTTACATTGACCAACATGGACCCTCTGGACACAGGCAC ATATTACTGTGCACACAGAGATTTTCGTCTGGTTATGGGCACACTACTACGGTGTGGACGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
004	p132w15	IGHV	CAGGTCCAACTGCAGGAGTCGGGGCCAGGGCTGGTGGAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCCGGTAGTTCATCACAAAT AGTAACTATACTGGGCTGGATTCGCCAGGTCCCAGGGAAGGGGCTGGAGTGGATTGGCAGTGTCTATTATAGTGGCTCCTATTACAACCCGT CTCTCGAGAGTCGTCTCAGCCTGTGAAAGACACGTCCAAGAATGAATTCCTTCTGAAGTTGCTCTCTGTGACCGCCGAGACTCGGGTATTAT TACTGCGCGAGGATCCTCTACACTTATGGCCGTCACTATTTTGACTTCTGGGGCCAGGGCACCCCTGGTCACCGTCTCCTCAG
004	p132w21	IGHV	CAGATCACCTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCACTCAGCTCTA GTGGAGAGGTTGTGAGCTGGATCCGTACGCCCCAGGAAGCCGCTGGAGTGGCTTGCACCTATTATGGGGATGGTGATAAGCGCTACAGCC CATCTCTGCAGAGCAGGCTCACTATCACCAAGGACACCTCCAAAACCAGGTGGTCTTACATTGACCAACATGGACCCTCTGGACACAGCCAC ATATTACTGTGCACACAGAGATCTTTTGAGTGGTTATGGGCACACTACTACGGTGTGGACGTCTGGGGCCAGGGGACCACGGTCACCGTCTCCTCA
004	p132w22	IGHV	CAGGTGCAGTTGGTGGAGTCGGGGGGAGGCGTGGTCCAGCCTGGGACGTCTCTGACACTCTCTTGTGCAGTGTCTGGAGTCTCCTTCAACAAA TATGCCATTCACTGGGTCGCCAGGCTCAAGGCAAGGGGCTGGAGTGGGTGGCAGTTATGTGGAGTGTGGAAGTCAGAAATATTATGGAGCC TCCGTGAAGGGCCGATTACCATCTCCCGAGACACTTCCAAGAACACGGTGTCTGTCAGATGAACAGCCTGAGAGCCGAGGACACGGCTGTCT ATCACTGTGCGAGCGATAGGTGTGGTGGTGGTGTACTACTTGCACAAGTGGGGCCAGGGAACCCCTGGTCTCCTCAG
004	p132w26	IGHV	GAGGTGCAGCTGGTGGAGTCGGGGGGAGGCTGGTCAACCCGGGGGTCCGGTTCGAGACTCTCCTGTGCAGCATCTGGATTCACTTCAATAC GTATAGCATGAAGTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCAGTTATGTGGAGTGTGGAAGTCAGAAATATTATGGAGCC CTCAGTGAAGGGCCGATTACCATCTCCCGAGACACTTCCAAGAACACGGTGTCTGTCAGATGAACAGCCTGAGAGCCGAGGACACGGCTATA TATTACTGTGCGAGAGTATTGTGACAGTAATGGTAAATCCTGCTACCAGAGAGATGATGCTTTTACATATGGGGCCAAGGGACAATGGTCA CGTCTCTCAG
004	p132w28	IGHV	CAGCTGCAGTTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCATTGCACTGTCTCTGGTGGCGCCTTACAGCAGT AGTAGTACTATTGGGGCTGGATCCGCCAGCCCGAGGGAGGTGGAGTGGATTGGGACTATCTATTATGATGGGAGCACCCACTACAGCCGT CCCTCGAGAGTCGAGTCACCATATCCATAAGCGCGTCCAAGAACCAGTTCTCCCTGAAGCTGAGTCTGTGACCGCCGAGACACGGCTGTGTA TTACTGTGCGAGGCGTCCGGGAAATAAGAAGTGGTCCCACTTTGACTACTGGGGCCAGGGAACCCCTGGTCTCTGTCTCCTCAG
004	p132w31	IGHV	CAGATGCAGCTGGCGGAGTCCGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTAGTGACT ATTACATGAGTTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGCATATATTAATATAGTGGTATTACACGAATATGCGAGACTCT GTGAAGGGCCGATTCCCGTCTCCAGAGACAACGCCAGGAACCTCAGTGTCTTCTGGAAATGGACAGCCTGAGAGCCGAGGACACGGCCATTAT TACTGTGCGAGAGTCGCAAATATGAGACGAAGAAAGAGATGCTTTGGATGTCTGGGGCCAAGGGACTGGTCACCGTCTCGTCA
004	p132w32	IGHV	AACCTACTGGATTCACTGGGTCGCCAAGCTCCAGGGAAGGGGCTAATGTGGTCTCAAATATTAATAGTATGGGACTACCACACACTACGCG GACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACACGCTCTATCTGCAAATGAACAGTCTGAGAGCCGAGGACACGGCT GTGTATTATTGTGCAAGAGAATATAGTGGGAGCCTTGACTACTGGGGCCAGGGAACCCCTGCTCACCGTCTCCTCAG
004	p132w33	IGHV	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACAGCTGAAGCCTTACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGTCTCCATCAGCAGT GGTAGTACTACTGGGACTGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGCCGTATCTATACCAGTGGGTACACCAACTACAAC CCCTCCCTCAGAGTCGAGTCACCATATCGGTAGACACGTCCAAGAACCAGTTCTCCCTGAACCTGAGCTCTGTGACCGCCGAGACACGGCCGT GTATTACTGTTGAGTGGCTACTTCTACGTTGTGGGTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG



004	p132w34	IGHV	GAGGTGCAGTTGTTGGAGTCTGGGGGAGGCCTGGTTACGCCGGGGGCTCTGAGACTCGCCTGTGCAGCCTCTGGATTTTCCTTTAACGACTA CTCCATGAGTTGGGTCCGCCAGCCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGGCATCAGTGGCAGTGGTGGTGCCACATATTACGCTGACTC CGTGAAGGGCCGGTTACCATCTCCAGACACAATGGCATAAACAAGTTGATTTGAAATGAACAGCCTGAGAGCCGAGGACACGGCCATATAT TTTTGTGTGAAAGATAGGGACAACCTGGAATCCTCCTCGCGATGCTTTTGATATGTGGGGCCAAGGGACAATGGTCACCGTCTCTTCAG
004	p132w36	IGHV	CAGCTGCAGCTGCAGGAGTCTGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGCAGT AATACTTACTACTGGGGCTGGATCCGCCAGCCCCAGGAAGGGCTGGAATGGATAGGGAGTATGTATTACTGGGGGCACCTTCCACAACCC GTCCCTCAAGAGTCGAGTCTCCATACCCGTAGACAGGTCCAGGAATCAGTTCTCCCTGAAACTGATCTCTGTGACCGCCGAGACACGGCTATA TACTACTGTGCGCGACATTCCCTGAACGGGGCAGCAGACTTTGACTACTGGGGCCAGGGAGCCCTGGTCACCGTCTCCTCAG
004	p132w37	IGHV	CTGGTGCAGCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGCCGTACACAGACCCTGTCCCTCACCTGCATTGTCTCTGGTACTCCATCAGCCAT AGTGATGGTCACTGGGCCTGGATCCGCCAGCACCCAGGGAAGGGCTGGAGTGGATCGGGCAGTCCATCAGTACTACTGGGACCCTACTACAAT CCGTCCCTGAAGAGTCGACTTACTATATCAGTGGACACGTCTAGGAACGAGTTCTCCCTGAAAGTTGAACTATGTGACGGCCGCGACACGGCCA TTTATTACTGTGCGAGAGATTTGGGGTCACTCGATTGTAGTGATGGAATCAGCTGCTTTTCTCAAACCTGGTACGACACCTGGGGCCAGGGAACC CTGGTCACCGTCTCCTCAG
004	p132w38	IGHV	CAGCTGCAGCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCGTCAGCAGC GATAGTCACTACTGGGCCTGGGTCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTTTATAGAGGGGGCACCCTACAACAAC CCGTCCCTCAAAGGTCGAGTACCATCTCCGTAGACACGTCCAAGGACCAGTTCTCCCTGGACCTGACCTCTGTGACCGCCGAGACACGGCT GTATATTACTGTGCGAGGCGTAGGGGTTCCAGGAACGGCACTTTCTGTGAGCTGGTTCGACCCCTGGGGCCAGGGAATCCTGGTCACCGTCTCC TCAG
004	p132w46	IGHV	CAGGTCCAGCTTGTGCAGTCTGGGACTGAGGTGAAGAAGCCTGGGGCCTCAGTGACGGTTTTCTGCAAGGGTTCTGGATACAGCTTCACTGAC CATGCTATGCACTGGGTGCGCCAGGCCCGGACAAAGGCTTGAGTGGATGGGGTGGATCAACGGTGGCAGTGGTAACACACAATATTCACAG AAGTTCCAGGGCAGAGTACCATTACCAGGGACACATCCGCGAGCACAGCCTATATGGAGTTGAGGAGCCTAAAATCTGAAGACACGGCTGTGT ATTACTGTGCGAGACTACATGTGACTAAAGCTTTGGAAGGCGCCTACTACTTTGACCACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p132w47	IGHV	CTGGTGCAGCTGGTGGAGTCTGGGGGAGGCGAGGTCCAGCCTGGGAAGTCCCTAAGACTCTCCTGTGTAGCCTCTGGATTCAACTTCAATAACT ATGGCATGTACTGGGTCCGCCAGGCGCCAGGCAAGGGCCTGGAATGGGTGGCACTCATGTATTTCTGGAAGTGTAAATTTTATGTAGATTCC CGTGAAGGGCCGATTCACCATCTCCAGAGACAATTCCAAGAGTACACTGTATCTGGAGATGAACAGCCTGAGAAGTGAGGACACGGGTGTCTAT TATTGTGCGAGAAATTCCTATCTATACTATAGTAATAGTCTGTTCCGCAATGGACGTCTGGGGCCAAGGGACCACCGTACCGTCTCGTCA
004	p132w52	IGHV	CAGCTGCACCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGGCTTCGGAAACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGTCCGA AGTGATTACTCTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGCATCTTTCATACTGACACCTACTACAGCCCCG TCCCTCAAGAGTCGAGTACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAACTGAGTTCTGTGACCGCCGAGACACGGCTATTTA TACTGTGTGAGAAGTGTGGGTAGGGGGCTACTGCAATGGCCTGACTACGTTATGGAAGTCTGGGGCCAAGGGGCCACGGTCGCCGTCTCCTC A
004	p132w55	IGHV	CAGGAGCAAGTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTACAGCCCTGGATTCTTTGTCACTGAC TACTACATGAATTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATACCTTGGTGGTGGGACAGTTCTACAGCCTACGCAGACT CTGTGAAGGGCCGATTCACCGTCTCCAGAGACAACGCCAAGAATTCAGTGTATCTACAATTGAACAGCCTGAGAGCCGAGGACACGGCCGTCTA TACTGTGCGAGACGGTTAGAGATGGCTACAAATAGTGCCTGGTACTTCGATCTCTGGGGCCGTGGCACCCTGGTCACTGTCTCCTCAG
004	p132w58	IGHV	CAGGTGCACCTGCTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAAGTCCCTGAGACTCTCCTGTGTAGCGTCTGGATTACCTTCAGTAAC AGTGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGCAATATGGTATGATGGAAGTCAGCAATATTACGCAGAC GCCGTGAGGGGGCCGATTACCATCTCCAGAGACGATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGAGCCGACGACACGGCTGTC TATTACTGTGCCAGAGA
004	p132w8	IGHV	GAGGGGCAGTTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCTGGGGGCTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACTTTCACTCC TATACCATCAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATTAGTTCCAGTAGTAGGTACATCTACTACGCGGACG CAGTGAAGGGCCGATTCACCATTTCCAGAGCCAACGCCAACAACCTCGTTTATTTGCAACTGAACAGCCTGAGAGCCGAGGACACGGCTCTTTA TACTGTGCGAGGACCGAAGACAGCGGGAGGTACCCTGCTTTTGATGTCTGGGGCCAAGGGACAATGGTCACCGTCTCTTCAG
004	p132w89	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGTCTGGGGGCTCCCTTAGGCTCTCCTGTGCAGCCTCTGGATTCAAGTTCCCTAAC GCCTATATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGATTAACAAACAAAATGATGCTGTGACAACAGACTAC GCTGCACCCGTGAAAGGCAGATTCACCATCTCAAGAGATGATTCAAAAACACGCTGTATCTGCAAATGACCAGCCTGAAAACCGAGGACACAG CCGTATATTACTGTACCACAGACTGGGAATATAGCGGTACGCCTCGGCCATTGTTCCAGATGCTTTTGATATCTGGGGCCACGGGACATTGGTC ACCGTCTCTTCAG

004	p132w9	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGCGCCTCCATTAAGAGG GGTGGCTCCTACTGGAGCTGGGTCCGCCAGCGCCAGGGGAGGGCTGGAGTGGATTGGGTACACCTATTACAGTGGGACCACCTCCTACAAT CCGTCCCTCACGAGTCGACTTACCATATCAGTTGACACGTTTAAAGAACCAATTCTCCCTGGAGCTGAGGTCTATGACTGCCGCGGACACGGCCG TGTATTATTGTGCGAGAGGAACGGTTAGCAGCAACTGGTATCGCGACGAATATCCCTGGATTGGGGCCAGGGCACCCCTGGTCACCGTCTCCTC AG
004	p132w90	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCGTTAT TACTACTGGAGCTGGGTCCGGCAGCCCCGGGAAGGGACTGGAGTGGATTGGCTATATCTATTACAGTGGGAGCACCAACTACAACCCCTCCC TCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCCTTCTCCCTGCACCTGAGCTCTGTGACCGCTGCGGACACGGCCATATATTA CTGTGCGAGAGGAATCTGTAGTGGTGGTAGCTGCTACTCTTGGCCGCTTGACAACCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p132w91	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTTACTCCATAAGCAGT GGTAGTTACTACTGGAGCTGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGCGTATCTATACCAGTGGGAGCACCAACTACAAC CCCTCCCTCAAGAGTCGAGTCACCATGTCACTAGACACGTCCAAGAACCAGTTCTCCCTGAGGCTGAGCTCTGTGACCGCCGACAGACCGCC TTTTATTACTGTGCGAGCGCATATTTTTATGCTCCGGGGAGTTCTGGGGCCAGGGAACCCCTGGTCATCGTCTCCTCAG
004	p132w92	<i>IGHV</i>	GAGGTGAATCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGTGCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTAGAAGC TATTGGATGATGTGGGTCCGTCAAAGTCCAGGGAAGGGTCTGGAGTGGTGGCCAACTAAAGGAAGATGGGAAGTGGAAATACTATGTGGACT CTGTGAGGGGCCGATTACCATGTCCAGAGACAATGCCAGGAATTTATTGTCTCTGCAGATGAGTAGTCTCAGAGCCGAGGACACGGCCGTGTA TTATTGTGCGGGAGGGATCGGTTGGCACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCCCAG
004	p132w93	<i>IGHV</i>	GAGGTGCAGTTGGTGAATCTGGGGGAGGCTGGTCAAGCCTGGGGGTGCCCTGAGACTCTCCTGTGCGGCCTCTGGATTGAGTTTCGATTCC TATGCCATGAACTGGGTCCGCCAGGCTCCTGGGAAGGGGCTGGAGTGGGTCTCATCCATTAGTTTTGGCAGTGGATTCAAAAAGTATGCAGACT CAGTGAGGGGCCGATTACCCGTTTTTCAGAGACAACGCCGAGAACTCACTGTTTTCTGCAACTGAACAACCTGCGGGCCGAGGACACGGGTGTTTA CTTCTGTGCGAGGGAACCTCCAGAGTCCGTAGGGGGGAGGTGTTTGGCCACTGGGGCCAGGGGAACCCCTGGTCACCGTCTCCTCAG
004	p134w10	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGATCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCGGT AGTTATTACTACTGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTTTATAGTGGGAGAACCCTACTACAACC CGTCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACAGACCGGCTGT GTATTATTGTGCGAGACATAATTCCGTATAGCTGCACGTGGTACTGACGACTTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCA G
004	p134w100	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGAGTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GGTGGTTACTACTGGAGTTGGATCCGCCAGCACCCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTTTTACAGTGGGAGCACCTCCTACAAC CCGTCCCTCAAGAGTCGAGTTATCATTTACAGTAGACACGCCTAAGAACCAGTTCTCCCTGAGGCTGAGTTCTGTGATTGCCGCGGACACGGCCG TGTATTACTGTGCGAGAGGTGGGCTGGCTACAATTGGGGCCGATCGTACTTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p134w106	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCACCAGT GGTGGTTACTATTGGACCTGGATCCGCCAGCACCCAGGGAAGGGCCTGGAGTGGATTGGATACATCTCTTACAGTGGGAGCACCTACTACAACC CGCCCCCTCAAGAGTCGAGTGACCATATCAATGGACACGTCTAAGAACCAGTTCTCCCTGAAGCTGACCTCTGTGTGCGCCGCGGACACGGCCG TGTATTATTGTGCGAGGGGAATTGTGATGAACGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
004	p134w107	<i>IGHV</i>	CAGGTTACGCTGGTGCAGTCTGGAGCTGAAGTGAGGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGACTTCTGGTTACAGGTTTACCAGAT ATGGTATCACCTGGGTGCGACAGGCCCTGGACAGGGGCTTGAAGTGGATGGGATGGATCAGCACTGACAATGGTAACACAAAGTATGCACAGA ACATACAGGGCAGAGTCACCATGACTACAGACACATCTACGGACACAGCCTACATGGAATTGAGGAGCCTGAGATCTGACGACGCGCCGTGTA TTACTGTGCGAGAGGGAACCTACGGTGACCAACCAGTAGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p134w11	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCAGGGCTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGTACTGTCTCTGGTGCCTCCATCAACAAT AATGTTTACCCTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGACTGGAGTGGCTTGGGAGTCTCTCTTACGGTGGGAGCACCTACTCCAAC CCGTCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGGTGCGCCTGAAGCTGAGCTCTGTGACCGCCGACAGACCGGT GTTTATTCTGTGCGAGACGGGGTAAGAGCAGCTGGTATCACCGATCAGACTACTATTACTACGGTCTGGACGCTCTGGGGCCAAGGGACCACGG TCACCGTCTCTTCA
004	p134w110	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGTGCCCTTAGACTCTCCTGTGCAGGCTCTGGATTCACTTTCAATAAT GCCTGGATGATCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCTTATAAAAAGCGGTGGGACAGCACACTACGCTGCACC CGTGAAGGACAGATTCACCATCTCAAGAGATGATTTAAAAAACACGCAGTATCTGAAATGAACAGCCTGAAAACCGAGGACACAGCCGTGATT TCTGTGCCACAGATCTCCGGGACTGGGGTCCGGTGAATTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG

004	p134w111	<i>IGHV</i>	GAGGACTCTTTGATGGAGTCTGGGGGAGGCCTGGTCCAGCCTGGGGGATCCCTGAGACTCTCCTGTGCAGCCTCTGGATTGCGCATCAGAAAC AATTACAGAATTTGGGCCCGCCAGGCCCCAGGGAAGGGGCTGGAGTGGGTCTCATCTATTTATAACGGTGATAGTACATACTACGCAGACTCTG TGAAGGGCCGATTACCATCTCCAGAGACAATCCAAGAATACAGTGTCTTCAATGAGGAGCCTGAGACCTGACGACACGGCTATTTATTAC TGTGCGACTTCCTCAAATCGTGTCAATGGCCGATATAGTGGCTACGAGTGGGGCCAGGGAACCGCGGTACCCTCTCCTCAG
004	p134w113	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAGGGTCTCCTGCCAGGCCTCTGGTACTCCTCACCGG CTACTATATACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGGTGGCATGGATCAACCCTAACAGTGGTGGCACAACCTTTGCACAG AAGTTTCAGGGCCGGGTACCCTGAGCAGGGACACGTCCATCACCCTGCCACATGGAGCTGACCAGGCTGACATCTGACGACACGGCCGTG TACTACTGTGCCAGGGACGCACATTACTTTGAAAGTAGTCATTATTCCTTTTCTCATATGGACTACAAGGGAATGGACGTCTGGGGCCAGGGAC CACGGTCACCCTCTCCTCA
004	p134w115	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGGCATCTGGATACACCTTACCAAC TACTTTATGCACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAATAATCAACCCTAGTGGTGGTAGTACAACCTACGCACAGA AGTCCAGGGCAGAGTCTCCATGACCAGGGACACGTCCACGAGCACAGTCTACATGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTCT ATTACTGTGCGAGACTCCTAGCTTTTTACTATGATACTAGTGTGATGCCGAAGGTGCCGAAGGTGACTTCTGGGGCCAGGGAACCTGGTCACCCT CTCCTCAG
004	p134w117	<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACGTGCGCTGTCTATGGTGGTCCCTCAATGTT TACTATTGGGCCTGGCTCCGCCAGTCCCCAGGGAAGGGGCTGGAGTGGATTGGGGAAATCAATGATAGTGGAAAGCACCATTACAACCCCTCC CTCGAGAATCGAGTACCATATCAGTAGACACGTCCAAGAATCAGTTCTCTCTGAGAATGAACTCTGTGACCGCCGCGGACACGGCTATGTATTA TTGTGCGAGGTGGGGCTATGACCGGTATCGCAGAGGCTGGTCTCGTAGAGACGGCTACTACTACTTCCGGTATGGACGTGCTGGGGGCCAAGG GACCACGGTCACCCTCTCCTCAG
004	p134w124	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGGAGCCTTCGGGGACCCTGTCCCTCACCTGCGCTGTCTCTGTTGGTCCATCAACAGT TATAGTTGGTGGACTTGGGTCCGCCAGTCCCGCGGGAGGCTGGAGTGGATTGGACAAATCTATTATACTGGGACCACCGCCTACAACCCGTCC CTCAAGAGTCGGGTACCATGTGAGTAGACAGGTCCAACCACACTTCTCCCTGAAGTTGACCTCTGTGACCGCCGCGGATACGGCCGTGATT ATTGTGCGAGATTGTCCGACCAGCCCCGAGGGTACGGTCTGGACGTCTGGGGCCAGGGGACCACGGTCACCCTCTCCTCA
004	p134w125	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTGTCTGGTACTCCATCAGCAGT CGTAGTTACTACTGGGCCTGGATCCGCCAGCCCCAGGGAAGGGCCTGGAGTGGATTGGCAGTATGTTTTATAGTGGGGCTCCTACTTCAAC CCGTCCCTCAGGAGTCGAGTACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGACGCTGAGCTCTGTGACCGCCGACACACGGCT GTGTATTACTGTGCGAGACGTAAGGGAGCAGGAGCTGGTGTCTTCTGAGCTGGTTCGACCCCTGGGGCCAGGGAACCCTGGTCACCCTCTCC TCAG
004	p134w128	<i>IGHV</i>	CAGGTGCAACTGCAGGAGTCGGGGCCAGGACTGGTGGAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTCCCTCTATGTTTCGCTT TCAATAACTACTGGAGTTGGGTCCGCCAGTCCCAGGGAAGGGCCTGGAGTGGATTGGGAACATCTATTCCAATGGGAGAACCCACTACAGTCC GTCCCTCACGAGTCGAATTCGCATGTGAGTTGACACGTCTGCAACCAGTTCTCCCTGACGCTGAGTTCCGTGACTGCCGCGGACACGGCCGT TACTACTGTGCGAGAGGAGTTTATTTAACTGGCCACAGGACTCCGGGGTCTACTTTGACTCCTGGGGCCAGGGAACCCAGGTACCCTCTCCT CAG
004	p134w131	<i>IGHV</i>	GAGAAGCAACTCTTGAGTCTGGGGGAGGCTTGGTACAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCTCCTTGAAGT TATACCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCCTCTATTAGGGGGACTGGTACTACCACATACTACGCCGAC TCCGTGAAGGGCCGTTACCATCTCCAGAGACAGTCCGAGAACCCTTATTCTGCAAATGAACAGCCTGAGAGTCGAGGACACGGCCCTAT ATTACTGTGCGAAGGCTGGGACTACGGTACTACCTTACCCCTTTTCGACCCCTGGGGCCAGGGAACCCAGGTATCGTCTCCTCAG
004	p134w132	<i>IGHV</i>	CAACTGCAGTTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTACTCCATCAGCAGT ACTAGTTACTACTGGGGCTGGATACGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTTTATAGTGGGAACACCTACTACAACC CGTCCCTCAAGAGTCGAGTACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGTTGAGTTCTGTGACCGCCGACACACGGCTGT GTATTACTGTGCGAGACGGGCGGTCCCGCCCTTCTACGGTAGAGCTCCTATTATTTGGTTTCGACCCCTGGGGCCAGGGAACCCCTGGCCATCGT CTCCTCAG
004	p134w135	<i>IGHV</i>	GGGGATTCAATTGGTGGAGTCCGGGGGAGGCTTGGTCCAGTCCGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTATGGATTCAAATAGTGAC GTTTGGATGAATTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCAATATAAATATAGATGGAAAGTGAGAAGTTCTATGTGGACT CTGTGAGGGGCCGATTACCCTCTCCAGGGACACCGCCGAGAATTCATTGTTTCTGAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGT ATTATTGTGTGGCAGGACACTACTCTATGGGGTACGGAACGCTGGTACCCTCTCGCCAT

004	p134w136		<i>IGHV</i>	GAGGTGCAGTTGGTGAATCTGGGGGAGGCTTCGTGAAGCCGGGGGGTCCCTTACACTCTCCTGTGCAGCCTCTGGATTCAAATTCTCTAATGCCTGGTTACAGTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAAAGCCAAGGATGATGGTACGACAACAGACTACGC CGCACCCGTGAAAGGCAGATTTACCATCTCCAGAGATGATTCAAAAGACACTCTGTATCTGCAAATGGACAGCCTGAAAAGCGAGGACACAGCC GTCTACTATTGCACCACAGATGAGTCCCCTTTATGCTAGTGTGGGGAAACGAATTGTTATAAATGGTGACTACTGGGGCCAGGGAACCCTGGT CACCGTCTCCTCAG
004	p134w137		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCTCTCACCTGCAGTGTCACTGGCGGCTCCATCAGCAGT AGTAGTTACTACTGGGGCTGGATCCGCCAGTCCCCAGGGAAGGGGCTGGAGTGGATTGGGACTATCTTTTATAGTGGGAACACTTACTACAACC CGTCCCTCAAGAGTCGAGTCACCGTGTCCGCAGACATGTCCCTGAACCAGTTCTCCCTGAAGCTGAACTCTGTGACCGCCGCGGACACGGCTC TTTATTACTGTGTGAGGCACGGACGTTGTAGTAATACCAACTGCCTAGTATACTACTTTGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCTCC TCAG
004	p134w142		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCCTGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCCTTGTCTCTGGTGGCTCCATCAGCACT ACTTATTATTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTCTTATAGTGGGAGAACCCTACTACAACC CGTCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAACTCTGTGACCGCCGACACACGGCTGT GTATTACTGTGCGAGACATAATACCCGTATAGCTGCAGCTGGTACTGACGAGTTTGACTACTGGGGCCAGGGAACCCCGTACCGTCTCCTCA G
004	p134w15		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGTCTCCCTCAGCAAT GGTGGTGGCTACTGGAGCTGGCTCCGCCAACCCAGGGAAGGGGCTGGAGTGGATTGGGTTCAATTTTTCAGTGGGACCACCTACTACAAC CCGTCTCTCCAGAGTCGGGTTACCATGTGAGTACACAGTCTAAGAACCAGTTTTTCCCTGAGCCTGACCTCTGTGACTGCCGCGGACACGGCCG TGTACTACTGTGCGCGGGATTTGGGGTTCGTGATTGTACTGGTTATAGTTGCCGTTCTCAAACCTGGTTCGACCCCTGGGCCAGGGAAGCCTG GTCACCGTCTCCTCAG
004	p134w19		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTACAGCCTCTGGATTCACTTTCAGTAAC TTTGTCAATGCACTGGGTCCGCCAGGCTCCTGGGAAGGGGCTGGAGTGGGTTCTCATCCATTGGTCGTAGTGAACCTTACAGGCATTACACAGACT CAGTGAGGGGCCGGTTCACCATCTCCAGAGACGACGCCAGAACTCACTGTATCTGAAATGAACAACCTGAGAGGCGAAGACACGGCGCTTT ATTACTGTGCGAGAGGGGCTTTGATCGATCCTTTGACTGGTCTATTTTACTCCTGGGGCCAGGGAACCCTGGTACCGTCTCCTCGG
004	p134w21	6	<i>IGHV</i>	CCCCAGAACGGCCCTGGAGTGGCTTGCACCTATTTATGGGGATGGTGATAAGCGCTACAGCCCATCTCTGCAGAGCAGGCTCACTATCACCAAG GACACCTCCAAAACCAGGTGGTCTTACATTGACCAACATGGACCCTCTGGACACAGCCACATATTACTGTGCACACAGAGATCTTTTGTAGTGG TTATGGGCACTACTACGGTTTGACGCTCTGGGGCCAGGGGACCACGGTACCGTCTCCTCA
004	p134w22		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGTCTGTCTCTGGTGTCTCCCTGAGCGGT GGTAGTTACACCTGGAATTGGATCCGGCAGCCCGCCGGGAAGGGGACTGGAGTGGATTGGGCGTATCTTTACCAGTGGGAGCACCAACTACAAC CCCTCCCTCAAGGGTCGACTCACCATGTCAATAGACACAGTCCAAGAACCAGTCTCCCTGAGGCTGAGCTCTGTGACCCCGCAGACACGGCC GTGTATTATTGTGTCGCCGACTACTACTCCGTTCCGGACGCTCTGGGGCCAGGGGACCCCGGTCACCGTCTCCTCA
004	p134w23		<i>IGHV</i>	GGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGACTCACCTTTAGCAGTTATGCCATGAGCTGGGTCCGTGAGGCTCCAGGGGAGGGGCC GGAGTGGGTCTCGGGCATTGATGAAAGTGGTGATCACACATACTACGCAGACTCCGTGAAGGGCCGGTTCACCATTTCCAGAGACAATTCTAAG AACACAGTGAGTCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTATATTACTGTGCGAAAGAAAGGGCAGCAGTTGGTGTCCCTCT TTGAC
004	p134w26		<i>IGHV</i>	GCGGTGCAATTGTTGGAATCTGGGGGAGGCTTGGTACAGCCGGGGGATGCCCTGAGACTCTCCTGCGCAGCCTCTGGATTGAGCTTTAATGCC TATGCCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTCTCACGTGTCAACAGTAGTGGTCTTGACATAGACTACGCAGAC TCCGCGAAGGGCCGGTTCATCGTCTCCAGAGACAATTCGAAGGACTCTGTATTTACAATGAACAGTCTGAGAGTCGAGGACACGGCCACAT ATTACTGTGCGAAAGTTTGGGCCCTCAGTTTCCGGGACGCCGACAGACCATCTTCTATTATGGTATGGACGCTCTGGGGCCAGGGGAGCCACGG TCACCGTCTCCTCAG
004	p134w27		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTTCATCAGCAGT GGCAGTTACTACTGGAGCTGGATCCGCCAGCTCCCAGGGAAGGGGCTGGAGTGGATTGGGTACATCTATTACAGTGGGACCACCTACTACAAC CCGTCCCTCAAGAGTCGACTTATTATGTCAGTACACAGTCTAAGAACCAGTTCTCCCTGAGGCTGAGCTCTATGACTGCCGCGGACACGGCCG TGTACTACTGTGCGAGAGGAAGGGTTAGCAGCAACTGGTATCGCGCTGAATACTTCCAGGAATGGGGCCAGGGCACCCCTGGTCAAGCTCTCCT CAG
004	p134w30		<i>IGHV</i>	CAAGTTCAGCTGGTGCAGTCTGGAAGTGAAGGCTGGGGCCCTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTTACATTACACAGTT ATGGTATCAGTTGGGTGCGACAGGCCCTGGACAAGGGCTAGAGTGGATGGATGGATCAGCGTTACAAGGGTGAACAACTATGCACAGA ACTTCCAGGGCAGAGTACCATGACCACAGACACATTATTGACCACAGCCTACATGGAATTGAGGAGCCTGAGATCTGACGACACGGCCGTGTA TTAAGTGTGCGAG

004	p134w31		<i>IGHV</i>	CAGGTCCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GGTGGTTACTTCTGGAGCTGGATCCGCCAGTACCCAGGGAAGGGCCTTGAGTGGATTGGGTACATCTATTACAGTGGGAGCACCTTCTACAATC CGTCCCTCAAGAGTCGACTTAGCATAGCACTGGACACGTCTAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACTGCCGCGGACACGGCCGT GTATTACTGTGCGAGAGATCGGGTCTTTGGGCAGTTGGTACCGGACTACTTTGACTACTGGGGCCAGGGAACCCCGGTCACCGTCTCCTCAG
004	p134w33		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCCTGTACAACCTCTGGATTACCTTTGGTGAT TATGCAATGAACTGGTCCGCCAGTCTCCAGGAAAGGGGCTGGAGTGGGTAGGTTTCATTAACCTACCGTTGGTGGGGCAACACAATACG CCGCGTCTGTGGAAGGCAGATTCTCCATCTCAAGAGATGATGCCAGAGGTGTCCCTATCTGGAAATGAACGACCTGAAAACCGAAGACACAGC CTTGATTACTGTTCAATCGGGAGCGAAGGCTTTTGGGGCCAGGGAACGCTGGTCACCGTCTCCCCAG
004	p134w34		<i>IGHV</i>	CAGGTACACCTTGAAGGAGTCTGGTCTGTGCTGGTAAACCCACAGAGACCCTCACGCTGACCTGCACCGTTTCTGGATTCTCACTCAGCATT CTAGAATGGGTGTGAGTTGGATCCGTCAGCCCCAGGGAAGGCCCTGGAGTGGCTTGCACATATTTTTTCAATGACGAAAAATCTTACAGCAC ATCTCTGAAGAGCAGACTCACCATCTCTAAGGACGCCTCCAAAAAGCCAGGTGGTCCCTTACCATTGACCAACATGAAACCTGCGGACACAGCCACA TATTTCTGTGCACGGAGAGTCCGCTATGATGGGCGCTACTCGGCTGTTCACTACTTTGACTACTGGGGCCAGGGAGCCCTGGTCACCGTCTCCT CAG
004	p134w37		<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACCCCTGGTGAACCCACACAGACCCTCACGCTGACCTGCATCTTCTCTGGTCTCACTCACCCTAG TAGAGTGGGTGTGGGCTGGATCCGTCGGCCCCAGGAAAGGCCCTGGAGTGGCTTGCACCTGTTTATTGGGATGATAGTAAGCGTTACAAATCC ATCTCTGAAGAGCAGGGTCACCATCACCAGGGACACCTCCAAAGACCAGGTAATCCTTACAATGACCAACATGGACCTGTGGACACAGCCACA TATTTCTGTGCACACATTACGGTGACTACGGTCGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p134w38		<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCACTCACCCTA GTGGAGAGGTTGTGAGCTGGATCCGTCAGCCCCAGGAAAGGCCCTGGAGTGGCTTGCACCTATTTATGGGGATGGTGATAAGCGCTACAGCC CATCTCTGCAGAGCAGGCTCACTATCACCAAGGACACCTCCAAAAAGCCAGGTGGTCCCTTACATTGACCAACATGAAACCTGCGGACACAGCCAC ATATTACTGTGCACACAGAGATCTTTTGTGAGTGGTTATGGGCACTACTACGGTTTGGACGCTGTGGGGCCAGGGGACCACGGTCACCGTCTCCTCA
004	p134w46		<i>IGHV</i>	CAGTTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT AGCAACTGTTACTGGGGCTGGATCCGCCAGTCCCCAGGGAAGGGACTGGAGTGGATTGGGAGTATCTATTATAGTGGGAGCACCTATTACAACC CGTCCCTCGAGAGTCGAGTCTGATGGACGCTGACACGTCCAAGAACCAGTTCTCCCTGGACCTGAGCTCTGTGACCGCCGCGACACGGCTG TCTATTATTGTGCGCGACATGGCACTGTCTACGATCTACAGGGTTTTAATATGTGGGGCCAAGGGAAAAATGGTCACCGTCTCTTACG
004	p134w47	10	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTGGT AGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGACTATCTATTATAGTGGGAGCACCTACTACAACCCGT CCGTCAAGAGTCGAGTACCATATCCGTGGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGCGACACGGCTGTGTA TACTGTGCGAGACAAATAGTAGTGGCTGGTTCAGGGGCTTTCCGGAGGTATGGACGCTGTGGGGCCAAGGGACCACGGTCACCGTCTCCTCT
004	p134w48		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTTTCATCAGCAGT GGCGTTACTACTGGAGCTGGATCCGCCAGCTCCCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTATTACAGTGGGACCACCTACTACAAC CCGTCCCTCAAGAGTCGACTTATTATGTCAGTAGACACGTCTAAGAACCAGTTCTCCCTGAGGCTGAGCTCTATGACTGCCGCGGACACGGCCG TGTACTACTGTGCGAGAGGAAGGGTTAGCAGCAACTGGTATCGCGCTGAATACTTCCAGGAATGGGGCCAGGGCACCCCTGGTCAGCGTCTCCT CAG
004	p134w54		<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGTCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGC TATAACATGAACTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATCAGTAGTAGTAGTATTTACATATACTACGCAGACTC AGTGAAGGGCCGTTACCATCTCCAGAGACAACGCCGAGAATCACTGTATCTGCAAATGAGCAGCCTGAGAGCCGAGGACACGGCTGTGTA TACTGTGCGAGAGACTCCGCACTGGGGAAGGAGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p134w55		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTTTCATCAGCAGT GGCGTTACTACTGGAGCTGGATCCGCCAGTCCCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTATTACAGTGGGACCACCTACTACAAC CCGTCCCTCAAGAGTCGACTTATTATGTCAGTAGACACGTCTAAGAACCAGTTCTCCCTGAGGCTGAGCTCTATGACTGCCGCGGACACGGCCG TGTACTACTGTGCGAGAGGAAGGGTTAGCAGCAACTGGTATCGCGCTGAATACTTCCAGGAATGGGGCCAGGGCACCCCTGGTCAGCGTCTCCT CAG
004	p134w57	11	<i>IGHV</i>	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAACTCCAGGAAAAGGTCTGGAATGGGTGCGAATTATTGGTTCTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTACCATCTCCAGAGAGAATGCC

004	p134w60	<i>IGHV</i>	GAGGTGCAGCTGGTGGACTCTGGGGGAGGCCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTCAC TATACCATGAACTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCGTCCATTACTAGTACTAGCAATTTATATACTACGCAGACT CGGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTCACTCTATCTGCAGATGAACAGCCTGAGAGTGCACGACACGGCTGTATA TACTGTGCGAGAATCTGGGGAGGAGTCTCTTCCACGGCGGGCTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p134w7	<i>IGHV</i>	CAGATGAAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATAAATACT CATTACTGGAGTTGGATCCGGCAGGCCCGGGGGCGGGCTGGAGTGGATTGGGCAAGTCTCTGGCGGTGGGCGCGCCGAATATAGCCCTT CCTCAAGAGTCGCGTCACCATGTCACTGGACACGTCCAGGAGCCAGTTCTCACTGGAGCTGACCTCTGTGACCACTGCAGACACGGCCGTCTAT TATTGTGCCGCCATGACATTTTACGATTACTGGAGCGACTTTTCGCACTCGTTTTGATGCTTTTATCTGTGGGGCCGAGGGACCCTGGTCACCGT CTCTCAG
004	p134w8	<i>IGHV</i>	TCTCCTGCGTAGGGTCTGGATTTCGACATTGGTGAAGTCTTGGATGAAGTGGTCCGCCAGGCTCCAGGGAAGGGACTGGAATGGGTGGCCAACA TAAAGGCGGATGGAAGTGAAGAAATCTATGTGGACTCTGTGAAGGGCCGATTACCGTCTCCAGAGACAACACCAAGAAGTCACTATTTCTGCAA ATGAGCAGCCTGAGAGTCGAGGACACGGCTGTCTATTATTGTACGGCTGGACACTATACTCTATGGGGTCAGGGAACCCTGGTCACCGTCTCGT CAG
004	p134w9	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT AGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTGTGTCTTATAGTGGGAGTACCTACTACAACCCG TCCCTCAACAATCGAGTCACCATTTCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACACACGGCTATGT ATTACTGTGCGAGACATAAATTCGATACAACAGCTGGTACGTTGGCTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCTCA G
004	p134w90	<i>IGHV</i>	GATGTGCAGTTGGTGGAGTCTGGGGGAGGCCTGGTCCAGCCGGGGGCTCCTCGAGACTCTCTTGTTCAGCCTCTGGATTCATCTTCAGCACCC ATTCTATGTACTGGGTCCGCCAGGCTCCAGGGCGGGGACTGGAATATGTTGCAGGTCTCAATTACGATGGGACAGTCCCTAATTACGGAGACTC CATGCGGGGCAGATTACCATCTCCAGAGACAATTCCAGGAGTATCCTATATCTTCAAATGAACGGTCTGAGAGTTGAGGACACGGCTCTATATC ACTGTGTGAAAATTCAGATGGAGGTGAATACCATGGTATACTTTGGCTCTTGGGGCAGGGAGCCCTGGTCACCGTCTCCGAG
004	p134w93	<i>IGHV</i>	GAGGCGCAGCTGGTGGAACTCTGGGGGAAGCCTGGTCCAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCAGTTTCAGTGAC CACTACATGGACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATTGGCCGATTAGAAATAAAGCTAACAGTTACATTACAGATTATG TCGCGCTTGTAAAAGGCAGATTCACCATCTCAAGAGATGATTCAAAAGAACTTGTACCTGCAAATGAACGGCCTGAAAACCGAGGACACGGCC GTGTATTATTGTGCTAGAGTCCGTAAGGGAGATGTGATTACTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCGAG
004	p135w107	<i>IGHV</i>	CAGGCGCAGTTGGTGGAGTCTGGGGGAGGCCTGGTCCAGCCGGGGAGGTCCCTGAGACTCTCCTGTGCAGTGTCTGGAATCAGTTTCAGTGA CTATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAATGGGTGGCTTTTATCTCTTACAATGGAGCTGTTAAACATTCTGCAGAC CTCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAATACGCTGTATCTGCAAATGAACGGCGTGAGAGCCGAGGACACGGCTGTG TATTACTGTGCGAGAGGATCTACGGTGGCGCTTGAAGTACTGGGGCCAGGGAACCTCTGGTCACCGTCTCCTCAG
004	p135w111	<i>IGHV</i>	AATTACAACCCGTCCTCGGGAGTCGACTACCATGTCCCTAGACAAGTCCAAGAACGAGTTCTCCCTGAACCTGAGGTCTGTGACCGCCGCGG ACACGGCCGTCTATTATTGTGTGAGGGGGCTTCAGAAGGCAGTGTATAGTACTGGGTGGTACTCGAGCAGGAGACACGAATTTCTTACTACTA CTACGGTATGGACGTCTGGGGCCAAGGGACCAGCGGTATCGTCTCCTCA
004	p135w113	<i>IGHV</i>	CAGGTGGACTTGGTGGAGTCTGGGGGAGGCCTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGTAGCGTCGGGATTCACCTTCAGAGA CTATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAATGGGTGGCTTTTATCTCTTACAATGGAGCTGTTAAACATTCTGCAGAC TCCGTGAAGGGCCGATTACCGTCTCCCGAGACAATTCCAAGAACAATCTATCTAGAAATGAGCAGTCTGACAACCTGACGACACGGCTTTTTA CTACTGTGCGAAGGTCCGTTTTCAATATTACAGCAACTCCTTATACTACTCTGACTACTGGGGCCAGGGAACCAGGTACCGTCTCCTCTG
004	p135w114	<i>IGHV</i>	CAAGTGCAGCTGCAGGAGTCGGGCCAGGCTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCCATCAGCAGT GGTAGTTATTCTGGAGCTGGGTCCGGCGGCCCGCCGGGAAGGGACTTGAGTGGATTGGGCGTATCTCTGCCAGTGGGTACACCAACTACAAC CCCTCCCTCAGCAGTCCAGTACCATTTTCAGTACACAGTCCAAGAACCAGTTCTCCCTGAACTTGAGCTCTGTGACCGCCGAGACACGGCCG TATATTACTGTGCGACTACATATTGGTATGATATCGTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p135w118	<i>IGHV</i>	CAGGTACAGCTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCTTCGGAGACCCTCTCACTACCTGTGCCATCTCCGGGGACAGTGTCTCTAGC AACAGTGTCTGTTTAAAGTCAATAATCATCAACCCAGACACATCCAACAACCAGTTCTCCCTGCAGCTGAACTCTGTGACTCCCGAGGACACG GCTGTCTATTACTGTGCAAGAGATCGCTCCGGGTATACGGGCAGTTTTTCCGACCTTACTTACTACGGTATGGACGTCTGGGGCCAAGGGA CCACGGTCACCGTCTCTTCA

004	p135w12	<i>IGHV</i>	TGGGAGTATCTCTTATAGTGGGAGAACCTACTACAACCCGTCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCC TGAAGCTGAGCTCTGTGACCGCCGCAGACACGGCTGTGTATTATTGTGCGAGACATAATCCCCGTATAGCTGCACGTGGTACTGACGACTTTGA CTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p135w122	<i>IGHV</i>	CAGGTTCAAGTTGGTGCAGTCAGGAGGTGAGGTGAAGAAGCCTGGGGCCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTATCCCTTTTCCAATT ATGCTATCACCTGGGTGCGACAGGCCCTGGACAAGGACTTGAGTGGATGGGATGGGTCAGCGGTTACAATGGTGACACAAAATATGCACAGA AACTTCAGGGCAGAGTCACCATGACCAAAGACACATCCACGAACACAGCCTACATGGACTTGAGGAGCCTGACATCTGACGACACGGCCGTCTA TTACTGTGCGAGAGTCCCTATGCCAGATTGGGTGGGACTACTGGGGCCAGGGAAGCCTGGTCACCGTCTCCTCAG
004	p135w125	<i>IGHV</i>	CAAGTGCAGCTGCAGGAGTCGGGCCAGGCCTGGTGAAGGCTTACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGTCTCCATCAGCAGT GGTAGTTACTCCTGGACCTGGATCCGGCGGCCCGCCGGGAAGGGGCTGGAGTGGATTGGGCGTATCTCTGCCAGTGGATACACCAACTACAAC CCCTCCCTCATGAGTCGAGTCACCATTTCACTGGACACGTCCAAGAACCAGTTCTCCCTGAGCTTGAGCTCTGTGACCCGCGCAGACACGGCCG TGTACTACTGTGGGAGTTCCGATTGGTATGACATCGTTGACTACTGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p135w126	<i>IGHV</i>	TGAGGTGAGGAAGCCTGGGTCTTCGGTTAAGGTCTCCTGCAAGGCCTCTGGAGGCGCCTCCAGCACCTATGCTGTGACGTGGGTGCGACAGGC CCCTGGACAAGGGCTTGAGTGGATGGGAGGGATCATTCTAGATTTGGTACACCTACCTACGCCCGGAAGTTCCAGGGCAGAATCATGATTGCC GCGGACCAATTGACGAGCACTGTGTTTATGGAGCTGCGCAGCCTGAGATCTGAGGACTCGGCCGTATATTATTGTGCGAGCGCAGGATATAGTG GCTACGACTTGGCCACTGACTACTGGAGTCAGGGAACCCAGGTCACCGTCTCCTCAG
004	p135w128	<i>IGHV</i>	GAAGTGCAGTTGGTGGAGTCTGGGGGAGCCGTGGTACAGCCTGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTGATGAT TATACCATGCACTGGGTCCGTCAAGCTCCGGGGAAGGGTCTGGAGTGGGTCTCTTATTAGTTGGGATGGTTATACCACATACTATGCAGACTC TGTGAAGGGCCGATTCACCATCTCCAGAGACTACAGCAAAAACCTCCCTGTATCTGCAAAATGAACAGTCTGACAACCTGAGGACACCGCCTTGATT ACTGTGCAAAAGATATGACCAGGGCCCTGCGATTGGGATTTTTTACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p135w131	<i>IGHV</i>	GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGCCGAAAAAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGGTTCTGGATACGACTTCAATAAC TACTGGATCGGCTGGGTGCGACAGATGTCCGGGAAAGGCCTGGAGTGGGTGGGTTTCATCTATCCCCATGACTCTGACGTCAGATACAGCCCG TCCTTCAGAGGCCAGGTCACCATCTCAGCCGACAGTCCACCACCACCGCCTCCCTGCAGTGGAGCAGCCTGAGGGCCCTCGGACAGCGGCGT GTATTACTGTGTGCGACAGCGATCGGGTCCCCTTTTTTGTGTTGATGCAAGTTGCTACTCGGCCCTTGGACTACTGGGGCCTGGGAACCCAGGT CACCGTCTCCTCAG
004	p135w15	<i>IGHV</i>	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAAACTCCAGGAAAAGGTCTGGAATGGGTGCGCAATTATTGGTTCTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTCACCATCTCCAGAGAGAATGCCAAGAAGTCCCTTATATCTTACATGAACAGCCTGACAGCCGGGGACACGGCTGTGTATTA CTGTGCAAGAGACCGCGGTGCGTTGGGTGCCACTGGCTGGTTCGTAACCTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTC CTCAG
004	p135w19	<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGTCCCTGAGACTCTCCTGTGCAGCCTCTGGTTTACCTTCAGTAAC TATGACATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAATGGGTGGCAGTTATTTCAATTTGATGGAACATAAAGTACTATGCAGGGT CCGTGACAGGGCCGATTACCATCTCCAGAGACAATCCAAGAACACGCTGTATCTGCAGATGAACAGCCTGAGCGCTGAGGACACGGCTGTCTA TTACTGTGCGAAAGATCGTAAGGTCCCGAACCCCTATAAGTGAACCCCGGATATTTGGAATTGGGGCCAGGGAACCCCTGGTCACCGTCTCC TCAG
004	p135w20	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGGCTTCGGAGACCCTGTCCCTCACCTGCATTGTCTCTGGTGGCTTCGTCAGTAGT TATTATTGGAGTTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGTATACCTCCTCAGTGGGATGACCAACTACAACCCCTCCT TCAAGAGTCGAGTCACCATGTCAAGTAGACACGTCCAGGAACCACTTCGCCCTGAAGCTGAGTTCTGTGACCGCTGCGGACACGGCCGTGATTA TTGTGCGAGAGTTAGTATGATTCCGGGACCTATCAAGTATGGAATGGACGCTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
004	p135w22	<i>IGHV</i>	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAAACTCCAGGAAAAGGTCTGGAATGGGTGCGCAATTATTGGTTCTGCCGGTGACACATACTATTCAGGCTCCG TGCAGGGCCGATTCACCATCTCCAGAGAGAATGCCAAGAAGTCCCTTATATCTTACATGAACAGCCTGACAGCCGGGGACACGGCTGTGTATTA CTGTGCAAGAGACCGCGGTGCGTTGGGTGCCACTGGCTGGTTCGTAACCTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTC CTCAG
004	p135w23	26 <i>IGHV</i>	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAAACTCCAGGAAAAGGTCTGGAATGGGTGCGCAATTATTGGTTCTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTCACCATCTCCAGAGAGAATGCCAAGAAGTCCCTTATATCTTACATGAACAGCCTGACAGCCGGGGACACGGCTGTGTATTA CTGTGCAAGAGACCGCGGTGCGTTGGGTGCCACTGGCTGGTTCGTAACCTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTC CTCAG

004	p135w26		<i>IGHV</i>	CAGGTGCAACTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCCGGATTGATTTAGTAGT TATGGCATGCATTGGGTCCGCCAGGCTCCAGGCAAGGGCTGGAGTGGGTGGCAGGTATCTCAAATGATAAGTATAACCACAAATATGCAGACT CTGTGATGGGCCGATTACCGTCTCCAGAGACAATTCAGGAAGACGCTTATCTGCAAATGGATAGCCTAAGACGAGAGGACACGGCTATGTA TTATTGTACGAAAGAGATTTCAAGGCCACCCCTCGAAGAAGGGCGGGTAACGAAGACTACGGAATGGACATCTGGGGCCAAGGGACCACAGT CACCGTCTCCTCA
004	p135w27	9	<i>IGHV</i>	GGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCTCTGTCTCTGGTGTCTCCCTGAGCGGTGGTAGTTACACCTGGAATTGGATCCGGCAGCCC GCCGGGAAGGGACTGGAGTGGATTGGGCGTATCTTTACCAGTGGGAGCACCAACTACAACCCCTCCCTCAAGGGTGGACTACCATGTCAATA GACACGTCCAAGAACCAGCTCTCCCTGAGGCTGAGCTCTGTGACCGCCGAGACACGGCCGTGTATTATTGTGTGCGCGACTACTACTACTCCG TTCCGGACGTCTGGGGCCAGGGGACCCCGTCCACCTCTCCTCA
004	p135w28		<i>IGHV</i>	GAGGTGCAACTGTTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGAGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTAGCGGC TATGCCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTGACTATTAGTACTGGTGGTGGTACCACATACTACGCAGAC TCCGTGAAGGGCCGGTTCCGCATCTCCAGAGACAATTCGAAGAACTCTGTATCTACAATGTACAGCCTGAGAGCCGAGGACTCGGCCGTAT ATTACTGTGTGACAGATCCCTACTGGGGATGGTCCCTAACTACCTTGACTCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p135w31		<i>IGHV</i>	CAAGTCCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGACACCATCAGTAGTA GTGGTTACTTCTGGAGCTGGATCCGCCAGTTCCAGGGAAGGGCCTTGAGTGGATTGGTTTATCTATTACAGTGGGTACACTTTTACAATCCG TCCCTCAAGAGTGCAGCTCAGCATAGCCCTGGACACGTCTAAGAACCAATCTCCCTGAGGCTGACCTCTGTGACTGCCGCGACACGGCCATTT ATTACTGTGCGAGAGATCGGGTCTTTGGGCAGTTGGTCCCGACTACTTTGACTACTGGGGCCAGGGAGCCCCGGTACCGTCTCCTCAG
004	p135w34		<i>IGHV</i>	ACAGCAGTGGGGCGCAGGAATGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTGTATAGTGGGTCTTCGAGGGCTACTACTGGAC CTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAAAATCAATCATAGTGGAAAGCACCAGCTACAACCCGTCCCTCAAGAGTCG AGTCACCATATCAGTAGTACAGTCCAAGGCCAGTTCTCCCTGAACCTGAACTCTGTGACCGCCGCGGACACGGCTGTGTATTACTGTGCGAGA GGCTATGACTATAGTCCAACTGGCTCGACCCCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTGC
004	p135w36		<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCATCGGAGACCCTGTCCCTCACCTGCGCTGTGTATAGAGGGTCCCTTCGAGGGC TACTACTGGAGCTGGATCCGCCAGTCCCCAGGGAAGGGGCTGGAGTGGATTGGAAAAATCAATCATAGTGGAAAGCACCAGCTACAACCCGTCC CTCAAGAGTCGTGTACCATATCAGTGGTACGTCCAAGGCCAGTTCTCCCTGAACCTGAGGTCTGTGACCGCCGCGGACACGGCTGTGTATT ACTGTGCGAGAGGGTATGACTATAGTCCACATTGGCTCGACCCCTGGGGCCAGGGAACCCAGGTACCGTCTCCTCAG
004	p135w38		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCCATCAGCAGT ACTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGACTGGATTGGGAGTATCTCTTATAGTGGGAGCACCTACTACAACC CGTCCCTCAAGAGTGCAGTCCCATATCCGTAGACACGTCCAGGAACCAAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGAGACACGGCTGT TTACTACTGTGCGAGACATAACAGCCGTATAGCTGCAGCTGGTACTGACGACTTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCA G
004	p135w46		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGAGGAGGCTTGATCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGAATTCAGCGTCAGTAAC AACTACATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTACTTTTTATAGCGATGGTGACACCTACTCCGAGACTCC GTGAAGGGCCGATTACCAATTTCCAGAGACGATTCGAAGAACCCTGTATCTCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATT ACTGTGCGAGAGTCCGCGTTGAGATGGGTACAATTTATCTTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTCTTACAG
004	p135w47		<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCATCGGAGACCCTGTCCCTCACCTGCGCTGTGTATAGAGGGTCCCTTCGAGGGC TACTACTGGAGCTGGATCCGCCAGTCCCCAGGGAAGGGGCTGGAGTGGATTGGAAAAATCAATCATAGTGGAAAGCACCAGCTACAACCCGTCC CTCAAGAGTCGTGTACCATATCAGTGGTACGTCCAAGGCCAGTTCTCCCTGAACCTGAGGTCTGTGACCGCCGCGGACACGGCTGTGTATT ACTGTGCGAGAGGGTATGACTATAGTCCACATTGGCTCGACCCCTGGGGCCAGGGAACCCAGGTACCGTCTCCTCAG
004	p135w48		<i>IGHV</i>	GAGGCGCAACTGGTGGAGTCTGGAGGAGGCTTGATCCAGCCTGGGGGTCCGTCGAGACTCTCCTGTGCAGCCTCTGGATTCTCCGTCAGCAGT GCCTATTTGGGCTGGGTCCGCCAGCCTTAGGGAAGGGGCTGGAGTGGCTCTCAGTTACTTATAGCGGGCGGACACATTCTACGCAGAGTCC GTGAAGGGCCGATTACCGTCTCTAGAGACAATTCGAAGAACACGCTGTCTTTCAAATGAACGGCCTGAGAGTCCAGGACACGGCCGTGTATT CTGTGCGAGAGTGGGACAGTATTACGAATATTGGAGGGTCTTATTTCGGACCCGTACTTTGACACCTGGGGCCAGGGAACCCCTGGTCACCGT CTCCTCAG
004	p135w52		<i>IGHV</i>	CAGGTGCAACTGGTGGAGTCCGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCTTGACAGCGTCTGGGTTACCTTCATTGA CTATGGTTCCTACTGGGTCCGCCAGGCTCCGGGCAAGGGGCTGGAGTGGGTGGCAACTATTTGGTATGATGGAAGAAGTAAATTCTATGCAGA CTCCGTGACGGGCGGATTACCATCTCCAGAGACAATTCAGGAACACACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTT TATTTCTGTGCGGGAGGGCCCAACTGGGGATCTTGGTCCAACTCCTCGGCATTGACTTCTGGGGCCAGGGAGCCCTGGTCACCGTCTCCTCA G



004	p135w55	8	<i>IGHV</i>	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAACTCCAGGAAAAGGTCTGGAATGGGTGCGCAATTATTGGTACTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTACCATCTCCAGAGAGAATGCCAAGAATTCCTTATATCTTCACATGAACAGCCTCATAGCCGGGGACACGGCTGTGTATTAC TGTGCAAGAGACCGCGGTGCGTTGGGTGCCACTGGCTGGTCCGTAACCTGGTACTTCGATCTCTGGGGCCGTGGCGCCCTGGTCACTGTCTCC TCAG
004	p135w58		<i>IGHV</i>	CAGGTTCAACTGGTGCAGTCTGGAGGTGAGGTGAAGAAGCCTGGGGCCCTCAGTGAGGGTCTCCTGTAAGACTTCTGGTTACGACATCAGCAAG CCTGGGATCAGTTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATGGATCAGCCTATAAATGGCGACACAACTATGCACAG AAGTTCCAAGACAGAGTCCATGACCGCAGACACATCCACGAGGACAGTCTACATGGAGCTGAGGAGCCTGAGATCTGACGACGCGGCCATG TATTACTGTGCGAGAGATCCGGCTATAGCACCACCGAGTTTACCTACTCGTACTCCGGCATGGACGTCTGGGGCCAAGGGACCGCGGTCAAC GTCTCCTCA
004	p135w60		<i>IGHV</i>	GAGGTGCAGATGTTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGGAGCCTCTGGATTCACCTTTAGTGAC TATGCCATGTCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGCTATTGCTCCTACTAATGGTAGGACATACTACGCAGACT CCGTGAAGGGCCGGTTCACCATCTCCAGAGACAATTACAGGAATACGCTGTTTCTGCAGATGAACAGCCTGAGAGCCGAGGACACGGCCATATA TACTGTGCGAAAATGTCTGCATACAATTCTGCTTATTACTTTGACTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
004	p135w7		<i>IGHV</i>	CAGGTGCAGCTGCGGGAGTCTGGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCCATCGCCAGC GGTCTGTAACACTGGAAGTGGATCCGCCAGCACCCAGGGGAGGGCCCTGGAGTGGATTGGGTATATTTATAATAGTGGCAGCACCTACTACAACC CGTCCCTCAAGAGTCGACTTTCATATCAGTGGACACGTCTAAGAACCAATTCTCCCTGAAGCTGAGCTCTGTGACTGCCGCGACACGGCCGT GACTATTGTGCGAGAATGACTACGCTGACCCCTTTCGACTTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
004	p135w72		<i>IGHV</i>	GAGGTGCAGATGTTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGGAGCCTCTGGATTCACCTTTAGTGACT ATGCCATGTCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGCTATTGCTCCTACTAATGGTAGGACATACTACGCAGACT CCGTGAAGGGCCGGTTCACCATCTCCAGAGACAATTACAGGAATACGCTGTTTCTGCAGATGAACAGCCTGAGAGCCGAGGACACGGCCATATA TACTGTGCGAAAATGTCTGCATACAATTCTGCTTATTACTTTGACTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
004	p135w8		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCTGGGGCCAGGAGTGGTGAAGCCTTCGAGACCCTGTCCCTCATTGTCAGTGTCTCTGGTGGCTCCATCACCAGT AGTAGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATGAATGATGGTGGGAGCACCTACCACAAC CCGTCCCTCAAGAGTCGAGTCCCATGTCCGTAGACACGTCCAAGAATCAGTTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACACACGGCTG TGTATTACTGTGCGAGACATAAGTTGCGAGATTGGAGCACCTGGACACCTAACAACCTGGTTCGACCCTGGGGCCAGGGAACCCTGGTCAACCGT CTCCTCAG
004	p135w9		<i>IGHV</i>	CAGGTCCAACCTGCAGGAGTCTGGGGCCAGGCTGGTGGAGCCGTGGAGACCCTGTCCCTCAGCTGCAGTGTCTCTGGTAGTTCCATCACAAT AGTAACTATTATTGGCCCTGGATTCGCCAGGTCCAGGGAAGGGTCTGGAATGGATTGGCAGTGTCTATTATAGTGGCTCCTACTACAACCCGT CTCTCGAGAGTCGTCTCAGCCTGTGCGAAAGACACGTCCAAGAATGAATTCTCCCTGAAGTTGCTCTCTGTGACCGCCGACACTCGGCTATTTAT TACTGCGCGAGGACCCTCTACACTTATGGCCGTCACTATTTTACTTCTGGGGCCAGGGCACCCCTGGTCAACCGTCTCCTCAG
004	p135w90		<i>IGHV</i>	GAGGTGCACCTAGTGCAGTCTGGAGCAGAGCTGAGAGAGCCCGGGGAGTCTCTGAAGATCTCCTGTAAGGCTTCTGGATACATCTTTTCCAAC ACTGGGTCTGGCTGGGTGCGCCAGGTGCCCGGGGGTGGCCTGGAGTGGATGGGGAACATCCACCCGAGGACTCTAGAACCCTTCTACAGCCCG TCCTTCGAGGGCCACGTTACCATCTCAGCCGACGGGTCCACCAGCACCCGCTACCTCCAGTGGAGTAGCCTGAAGGCCCTCGGACACCGCCATG TATTACTGTGCGACTTGAATAAAAGCAACTGTTTACTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
004	p135w91		<i>IGHV</i>	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAACTCCAGGAAAAGGTCTGGAATGGGTGCGCAATTATTGGTACTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTACCATCTCCAGAGAGAATGCCAAGAATCCCTGTATCTTCACATGAGCAGCCTAACAGCCGGGGACACGGCTGTGTATTA CTGTACAAGAGACCGCGGTGCGTTGGGTGCCACTGGCTGGTCCGTAACCTGGTACTTCGATCTCTGGGGCCGAGGACCCCTGGTCACTGTCTC CTCAG
004	p135w92		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTAGC TATGACATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGATGGAAGTAATAAGTACTATGCAGGCT CCGTGACGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGCGCTGAGGACACGGCTGTCTA TACTGTGCGAAAAGA
004	p135w93		<i>IGHV</i>	CAGGTGCAGTTGCAGGAGTCTGGGGCCAGGACTGGTGAAGGCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTTACTCCATCGACAGA GGTAGTTACTCCTGGGACTGGATCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGTATCTCTGCCAGTGGGTACAGCAATTACAAT CCCTCCCTCAAGAGTCGCGTCAACATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAACCTGAACCTCTGTGACCGCCGACACACGGCCG TCTACTACTGCTCGGGGGCCTACTTCTACTCCGTTGTGGACGTCTGGGGCCAAGGGACACCGGTCAACCGTCTCCTCA

004	p136w10	<i>IGHV</i>	CAGGTGCACCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCCACCAC TATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTACAACATATGATGGCAGTAAGAAATACTATGCAGAC TCCGTGAGGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAGCAGCCTGACAGCTGAGGACACGGCTGTGT ATTATTGTGCGAATTATTATTTGGATGGTAGTGGTTCTCCGACCCTCAATACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p136w101	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGTGGT AGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGACTATCTATTATAGTGAGACCACCTACTACAACCCGT CCGTCAAGAGTCGAGTCACCATATCCGTGGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTCTGACCGCCGCAGACACGGCTGTGTA TACTGTGCGAGACAAATAGTAGTGGCTGGTTCAGGGGCTTTCGGAGGTATGGACGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCT
004	p136w106	<i>IGHV</i>	CAACTGCAGCTGCAAGAGTCGGGGCCAGGACAGGTGGAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGCAGT ACTAGGAGCTATTGGGGCTGGATCCGCCAGCCCCCGGCAAGGGGCTGGAGTGGCTTGGCAGTATATAATTATCTTGGGGGGACGTACCAGAAC CCGTCCCTCAGGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGGTCTCCCTGAGGCTGAGCTCTGTGACCGCCGCAGACACGGCT GTGTATTACTGTGCGAGAGGGCCCGGGTGATTTTTGGAGTGGCGTCACTACTTTACGACTGGGGCCTGGGAACCCTGGTCACCGTCTCCTCAG
004	p136w107	<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCACTCAGCACTA GTGGAGTGGGTGTGGGCTGGATCCGTACGCCAGAACGGCCCTGGAGTGGCTTGCAGTCATTTATTGGGATGATGATAAGCGCTACAGCCCA TCTCTGAAGAGCAGGCTCACCATACCAAGGACACCTCCAAAACCAGGTGGTCTTACAATGACCAACATGGACCCTGTGGACACAGGCACAT ATTACTGTGCACACA
004	p136w108	<i>IGHV</i>	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGATTTCTGCAAGACATCTGGATACAGCTTCGCCAGT TATTATATCACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAATAATCAACCCTAGCAATGGTCGCACAAGTTACGCACAGA AGTCCAGGGCAGAGTCACCATGACCTGCGACACGTCCACGAGCCGAGTCTACATGGAAGTCAATAGTCTGAGATCCGAGGACGTGGCCGTCT ATTACTGTGCGAGAGTTCGGGTAGCGGCGACTGGTGGTTTACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p136w11	<i>IGHV</i>	CAACTGCAGCTGCACGAGTCGGGGCCAGGACTGATGAAACCTTCGGAAACCCTGTCTCTCACCTGCTCTGTGTCTGGTGGCTCCATCGGCAATA GTGGTTATCATTGGGGCTGGATCCGCCAGGCCAGGGAGGGGACTGGAATGGATTGGGACTGTCTATTATAGTGGGACCCTACTACAATC CGTCTCTCAGGAGTCGAGTCACCATATCCGTTGACGCGTCCAAGAACCAGTTCGCCCTGGAGCTGACCTCTGTGACCGCCGCAGACACGGCTG TCTATTACTGTGCGAGACATGTCTGTTGTTGCTGGTTCTACTTTAACGTCTGGGGCCTGGGAACCCTGGTCACTGTCTCCTCAG
004	p136w110	<i>IGHV</i>	CAGATCACCTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCACTCACCTCTA GTGGAGAGTTGTGAGCTGGATCCGTACGCCCCAGAACCGCCGCTGGAGTGGCTTGCAGTCATTTATGGGGATGGTGATAAGCGCTTACGTC CATCTCTGCAGAGCAGGCTCACTGTCACCAAGGACACCTCCAAAACCAGGTGGTCTCACATTGACCAACATGGACCCTCTGGACACAGCCAC ATATTACTGTGCACACAGAGATCTTTTACTGGTTATGGTCACTACTACGGTTTGGACGTCTGGGGCCAGGGGACCTCGGTACACCGTCTCCTCA
004	p136w111	<i>IGHV</i>	CAAGTACAGTTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCTTCGCAGACCCTCTCACTCACCTGTGACATCTCCGGGGACAGTATCTTAACA TCAATGCTGGTTGGAGCTGGATCAGGCAGTCCCATCGAGAGGCCCTTGAGTGGCTGGGAAGGATAAACTACAGGTCCAAGTGGTATAATGATTA TGCAGAACTCTGTGAAGAGTCGAATAACCATCAAGGCAGAAAACATCCAAGAACCAATTCTCCCTGCACCTGAGAAATGTGACTCCCGAGGACAG GCTGTGTATTACTGTGCTAGAGATCGTCCCGCAACTGGGGATCGATGGTACTTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCTCAG
004	p136w113	<i>IGHV</i>	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAAGTAA TACGACATGCACTGGGTCCGCCAAACTCCAGGAAAAGGTCTGGAATGGGTGCGAATTATTGGTACTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTACCATCTCCAGAGAGAATGCCAAGAATTCCTTATATCTTACATGAACAGCCTCATAGCCGGGGACACGGCTGTGTATTAC TGTGCAAGAGACCGCGGTGCGTTGGGTGCCACTGGCTGTTCCGTAACCTGGTACTTTCGATCTCTGGGGCCGTGGCGCCCTGGTCACTGTCTCC TCAG
004	p136w119	<i>IGHV</i>	CAGGTTACAGCTGGTGCAGTCTGGACCTGAGGTGAAGAAGTCTGGGGCCTCAGTGAAGGTCTCCTGCAAGACTTCCGGTTACACCTTTGTCAACT ATGGTATCAGTTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAAGGATCATCCCTTACAATGGTAATGCAGACTATGCACAGAA GTTCCAGGGCAGAGTCACGCTGACCAGAGACACATCCACGAGCAGCCTACATGGAGTTGAGGAGCCTGAGATCTGACGACACGGCCGTCTA TTATTGTGCGGCAGAGGGCTACACTAGCAATTGGTCTACTCTTTGAAACTATTGGGGCCAGGGAACCCTGGTCAAGCTCTCCTCAG
004	p136w124	<i>IGHV</i>	CAGGTGCAGCTTACGAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTATGGTGGGTGGTTCAGTGGT CACTCCTGGAACCTGGCTCCGCCAGCCCCAGGCAAGGGGCTGGAGTGGATTGGGGAAGTCAATCCTCGTGAATCACCAGCTCCAGCCCCGTC CCTCAAGAGTCGGGTACCATATCGCTGGACACATCCAAGAACCAGATCTCCCTGAGGCTGACCTCTCTCAACGCCGCGGACACGGCTGTATAT TACTGTGCGAGACCTTATTGCCATGGTAGTGGTTGCTACTTTGACTCCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG

004	p136w126	IGHV	CAGCTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGATCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCGGT AGTTATTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTCTTATAGTGGGAGAACCCTACTACAACC CGTCCCTCAAGAGTCGAGTCCCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACAGACGGCTGT GTATTATTGTGCGAGACATAATCCCGTATAGCTGCACGTGGTACTGACGACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA G
004	p136w128	IGHV	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAACCTGGGGCCTCTGTGAAAATTTCTGCAAGGCATCTGGATACACCTTCAGCGAG TATTATATGCACTGGGTGCGACAGGCCCCCGACAAGGGCTGGAGTGGATGGGAATAATCGACCCAAAGAATGGTTACACACGCTTCGCACAG AAGTTTCAGGGCAGGGTCACCGTGACCAGGGACACGTCTACGACCACAGTTTACATGCATCTGGGCAGCCTGAGATCTGAGGACACGGCCATG TATTATTGCGCGAGAGGGTACAGTTATGGTTGGGCCGACGTTTGGGGCCAGGGAACCCTGATAACCGTCTCCTCAG
004	p136w131	IGHV	GCGGTGCAACTGGTGAATCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCGTCAAGGCA CAACTACATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGTTGTTTATAGCGCTGGTCCCACATACTACGCAGACTC CGTGAAGGGCCGATTACCATCTCCAGAGACGATTCCACGAACACCCTGTCTCTTCAAATGAACGGCCTGAGATTTGAGGACACGGCTGTCTAT TACTGTGCGAGAGGCTATCTCGATGTCACAAATCCCCCTTCTTATTGACTATCTGGGCCGGGGAACCCAGGTCACCGTCTCCTCAG
004	p136w132	IGHV	CAGGTCACCTTGAAGGAGTCTGGTCTGTGCTGGTAAAACCCACAGAGACCCTCAGCTGACCTGCACCGTTTCTGGATTCTCACTCAGCATTTC CTAGAAATGGGTGTGAGTTGGATCCGTGAGCCCCAGGGAAGGGCCTGGAGTGGCTTGACATATTTTTTCCAATGACGAAAAATCTTACAGCAC ATCTCTGAAGAGCAGACTCACCATCTCTAAGGACGCCTCCAAAAGCCAGGTGGTCCCTTACCATGACCAACCTGAACCCTGCGGACACAGCCACA TATTTCTGTGCACGGAGAGTCCGCTATGATGGGCGCTACTCGGCTGTTCACTACTTTGACTACTGGGGCCAGGGAGCCCTGGTCACCGTCTCCT CAG
004	p136w133	IGHV	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAAC TACGACATGCACTGGGTCCGCCAAACTCCAGGAAAAGGTCTGGAATGGGTGCGAATTTATTGGTTCTGCCGGTGACACATACTATGCAGGCTCCG TGCAGGGCCGATTACCATCTCCAGAGAGAATGCCAAGAACTCCTTATATCTTACATGAACAGCCTGACAGCCGGGGACACGGCTGTGTATTA CTGTGCAAGAGACCGCGGTGCGTTGGGTGCCACTGGCTGGTCCGTAACCTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTC CTCAG
004	p136w135	IGHV	CAGGTACAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCCAGGCCTCTGGGTACTCCTTCACCGG CTACTATATACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGGTGGCATGGATCAACCCTAACAGTGGTGGCACAAACTATGCACA GAAGTTTCAGGGCCGGGTACCGTGACCAGGGACACGTCCATCACCCTGCCCACATGGAAGTACCAGGCTGAGATCTGACGACACGGCCGT ATATTACTGTGCGAGGGACGCACATTACTTTGAAAGTAGTCATTATCTTTTCTCATATGGACTACAAGGGAATGGACGTCTGGGGCCAAGGGA CCACGGTCACCGTCTCCTCA
004	p136w136	IGHV	CAGGTGCAGTTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTGAC CACTACATGAGCTGGATCCGCCAGGCTCCAGGGGAGGGGCTGGAGTGGGTCTTACATTAGTGGTAGTAGTGGTTACACAGACTACGCAGAC TCTGTGAAGGGCCAATTCACCATCTCCAGAGACAACGCCCGAACTTACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTCT ATTACTGTGCGAGAGTAGCAAGGCTACGTTCCGGGAATTTCTTCCAAACTACTTTGACGTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTC AG
004	p136w137	IGHV	CAGATCACCTTGAAGGAGTCTGGTCCCACGCTGGTGAACCCACACAGACCCTCAGCTGACCTGCACCTTCTCTGGGTTCTCATTACGACTA GTGCAGTGGGTGTGGGCTGGATCCGTGAGCCCCAGGAAAGGGCCTGGAGTGGCTTGCACTCATTATTGGAATGATGATAAGACCTACAGCC CATCTCTGAAGAGCAGACTCACCATCACCAGGACGCCTCCAAAACCCAGGTGGTCCCTTAAAGTGACAAACATGGACCCTGTAGACACAGCCAC ATATTACTGTGCACACAGCCCTTATTGTCTGGTGGTAGCTGCCATCGATACTACTTTGACTTCTGGGGCCAGGGAGCCCTGGTCACCGTCTCCT CAC
004	p136w142	IGHV	CAGGTTCAAGTTGGTGCAGTCTGGACCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGACCTCCGGATACAGCTTTACAAATT ACGGTTTTAGTTGGGTGCGACAGGCCCCGGGACAAGGTCTTGAGTGGATAGGATGGATCAGCGCTTATAATGGTAATCGAAATAATGCAAAGAG TGTCGAGGGCAGAGTCAACATGACCACAGAGACCTCCACCAAGACAGCCTACTTAGAACTGAGGAGCCTCAGATCTGACGACACGGGCGTCTA TTATTGTGCGAGGGATCCCGACACCAGTGGTTGGTATGGCCAAAGAGGGGGCTTGACCACTGGGGCCAGGGAACCCTGATCACCGTCTCCTCT G
004	p136w19	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGTCCGTGAGACTCTCCTGTGCAGCCTCTGGAGTCACCGTCAAGTAA GACTACATCAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAATTTATAGTGGTGGTAGCACATACTACGCAGACCCC GTGAAGAGCCGATTACCATCTCCAGAGACGGTTCCAAGAACACGGTGTATCTTCAAATTGAACACCTTGAGACCTGAGGACACGGCTGTGATTA CTGTGCGAGAGCCGACCGGGGGGACTGGAGATGGGGGTACTTCTTTGACCACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG

004	p136w21		<i>IGHV</i>	GAAGTGCCTCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCCGGGGACTCTCTGAGGATCTCCTGTGAGGGTTCTGGATACACCTTTACCGACT ACTACATCACCTGGGTGCGCCAGATGCCCGGGAAAGGCCTGGAGTGGATGGGGAGGATTGATCCTAGTACTCTTATATCAACTACAACCCGTC CTTCCAAGGCCACGTCAACATCTCACTTGACAAGTCCATCAATACTGCCTTCCAGTGGGGCAGCCTGAAGGACTCGGACACCCGCGTGTAT TACTGTGCGAAGGAAGGCCTAACTGGCAGCGGTTTATCGATCTCTGGGGCCCTGGCACCTCTGCTACTGCTCCTCAG
004	p136w26		<i>IGHV</i>	CTGACGATCTCCTGCAAGGGTTCTGGATACACCTTCTCCAGTTATTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAAGGCCTGGAGTGGATG GCAATCATCCATCCGAGTACTCTGATACCAGATACAGCCCGGCCCTCCAGGGCCAGGTCAACATCTCAGTCGACAAGTCCGTGAGCACCCGCT ACCTGCAGTGGAAACAGCCTGAAGGCCTCGGACACCCGCAATTTATTATTGTGCGAGACATGTATATTTGGGAGTCACTTGGCCGAGCCGTTTG GCTTGACTACTGGGGCCAGGGAGCCCTGGTACCCTCTCCTCAG
004	p136w27	7	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGAGGAGGCTTGATCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGGTTACCCGCTACTAGC AACTACATGAGTTGGGTCCGCCAGGCTCCAGGGAAAGGGGCTGGAGTGGGTCTCAGTTATTTATAGCGGTGGTGGCACATACTACGCAGACTCC GTAAAGGGCCGATTACCATCTCCAGAGACAATCCAGGACCACGCTGTATCTTCAGATGAACAGCCTGAGAGACGAAGACACGGCCGTGTATT ATTGTGCGAGGGCAAAGTATAACACTGGCTGGTGGGATGCGTTTGATATCTGGGGCCAGGGACAATGGTCACCGTCTCCTCAG
004	p136w28		<i>IGHV</i>	GAGGTGCAGCTGGTAGAGTCTGGAGGAGGCTTGATCCAGACTGGGGGGTCCCTGAGACTCTCCTGTGCAGACTCCGGATTATCGTCACTACC AACTGCATGGCCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAATTTATTTATAGCGATGGTTCGCACATATTACGCAGACTCC GTGAAGGGCCGATTACCATCTCCAGAGACTTACAAGAACAGACTTTATCTTCAATGAACAGCCTGAGAGCCGACGAAACGGCCGTGTATTA CTGTGTGAGAGTTGGATATAATAGGGGCCAATTCCTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCAG
004	p136w30		<i>IGHV</i>	CAGATAACCTTGAAGGAGTCCGGTCTACGCTGGTGAGACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGATTCTCATTACCACTAT TGGAATGGGTGTGGGCTGGATTCCGCCAGCCCCAGGAAAGGGCCCTGGAGTGGCTTGCATGATTTATTGGAATGATGATAAGCGCTACAGTCC ATCTCTACAAAGCAGGCTCGCCATCACCAAGGACACCTCCAAAAACCAGGTGGTCTCACAATGACCAACATGGACCCTGTGGACACAGCCCGA TATTATTGTGTACACCCACGGGATGATCCACGGGCACGTGACTACGTTGACTATTGGGGCCAGGGAACCCTGGTCCCGTCTCCTCAG
004	p136w32		<i>IGHV</i>	CAGGTGCATCTGCAGGAGTCCGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCATGTCTCTGGTGGCTCCATCAGCAGT AAGAATFACTACTGGAGTTGGATCCGCCAGTCCCCAGGGAAGGGGCTGGAGTGGATAGGGAGTATGCATTATAGTGGGAACGGCTACGACAAC CCGTCCCTCAAGAGTCGAGCCACCATATACGTGGACACGTGGAAGAACCAGTTCTCACTGATTCTGAACTCTGTGACTGCCGACACACGGCTG TCTACTTCTGTGCGAGACAGGACTATGGTGATTACGTTTCCGTCAATTGGTTGACACCTGGGGCCAGGGAACCCTGGTCCCTGCTCCTCAG
004	p136w33		<i>IGHV</i>	CCTTCAGTAACTACGACATGCACTGGGTCCGCCAACTCCAGGAAAAGGTCTGGAATGGGTGCGAATTATTGGTACTGCCGGTGACACATACTAT GCAGGCTCCGTGCAGGGCCGATTACCATCTCCAGAGAGAATGCCAAGAATTCCTTATATCTTCACATGAACAGCCTCATAGCCGGGGACACGG CTGTGTATTACTGTGCAAGAGACCCGCGGTGGTTGGGTGCCACTGGCTGGTCCGTAACCTGGTACTTCGATCTCTGGGGCCGTGGCGCCCTGG TCACTGTCTCCTCAG
004	p136w34		<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTATGGTGGGTCCCTCAGTGGT TACTACTGGACCTGGATCCGCCAGCCCCAGGAAAGGGGCTGGAGTGGATTGGGGAATCAATCATAGTGAAGCACCACTACAACCCGTCCTCC TCAAGAATCGAGTCACCATGTCAAGTTGACACGTCCAAGAACCAGTTCTCCCTGGAGCTGACCTCTGTGACCGCCGCGGACACGGCTGTGTATTA CTGTGCGAGGTGGGGGCCGGGGATTATTGGTGGTGCCTGCTATTGCTTTGACTACTGGGGCCAGGGAACCCTGGTCCCGTCTCCTCAG
004	p136w36		<i>IGHV</i>	GAGGAGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTAGCAGC CATAGCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAACTATTACTGGTGTAGGTAGGACATACTACGCAGACTCC GTGAAGGGCCGGTTCACCATCTCCAGAGACAATCCAAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTATATT ACTGTGCGAAACTGACTGACTGTTGGGGCCAAGGAACCCTGGTACCCTCTCCTCAG
004	p136w46		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAG CTATAGCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGGTCTCATCTAGTGGTGGTGGTATTACATATACTACGCAGAC TCAGTGAAGGGCCGATTACCATCTCCAGAGACAAGCCAAAGAACTCACTGTCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGT ATTACTGTGCGAGAGTCTGGGGGGGGATTATTATTTGCTTGACTATTGGGGCCAGGGAACCCTGGTACCCTCTCCTCAG
004	p136w48		<i>IGHV</i>	GAGGTGCAGCTGTTGGAGTCTGGGGGAGGCTTGGTACAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCGGGATTACCTTTAGCGG CTATGTCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGCTATTAGGGGTAGTGGTGATAACACATACTACGCAGA CTCCGTGGAGGGCCGTTACCATCTCCAGAGACAATCCAAAGAACACACTGTATTTGCAAATGAACAGTTTGGAGTCTGAGGACACGGCCGTA TATTACTGTGCGAAAGTCACTCAATGGGGCGAACGGCTTTGAATACTGGGGCCAGGGAACCCTGGTACCCTCTCCTCAG

004	p136w51	IGHV	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCCTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGCGACTCCATCAGCAGT GGTGTCTTCTACTGGAACCTGGATCCGCCAGCACCCAGGGAAGGGCCCTGGAGTGGATTGGGTACATTTATTACAGTGGGACTACCGACTACAACC CGTCCCTGACGAGTCGAGTAAGCATCTCAGTAGACACGTCTAAGAACCAATTCTCCCTGAAACTGACCTCTGTGACTGCCGCGGACACGGCCGT CTATTACTGTGCGAGCCTCAACGCTTATCGTAGTGGTGAAGCCCACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p136w52	IGHV	CAGGTGCGGATACAGCAATGGGGCGCCGGGCTCTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGTGCACTTATTCTGAATCATTCACTGGT ACTCGTGGACCTGGATCCGCCAGCCCCAGGGCAGGGACTGGAGTGGATTGGGGACATCAATTTTTATGGAAAAACCACTACAATTCGGCCCT CAAGAGCCGAATCACCATATCGGTAGACATCGTGAAGAACCAGTTCTCCCTGAAGTTGAGCTCTGTGACCGCCGCGGACACGGCAATGTATTAC TGTGCGGGGGACGCCGAGGACAGAGGGGAACCACTGGATTGAGTTCTGGGGCCAGGGAGGCATGGTTCATCTCCTCAG
004	p136w54	IGHV	CAGCTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGATCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCGGT AGTTATTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTCTTATAGTGGGAGAACCTACTACAACC CGTCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGCGAGACACGGCTGT GTATTATTGTGCGAGACATAATTCCCGTATAGCTGCACGTGGTACTGACGACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA G
004	p136w55	IGHV	GAGGTGCAGTTGTTGGAATCTGGGGGAGGCTTGGTACAGCCGGGGGGATCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCCCTTTAGTACC TATGACATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGTTATTATTGGCAGTGATGGAAGCACATACTACCCAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAAGACTCTTTATTGCAAATGAGCAGCCTGAGGGCCGAAGACACGGCCGTATA TTTCTGTGTGAAAGGGGGTTGGCTTGACGACTGGGACTGGGGAGCCCTGGTCAACCGTCTCCTCAG
004	p136w58	IGHV	CAGCTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCATTGTCTCTGGTACTCCATCAGCAGT ACTTATTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGCATCTCTTATAGTGGGACCACCTACTACAAC CCGTCCCTCAAGAGTCGAGTCACCATATTCGTTGACACGTCCAAGAACCAGTTCTCCCTGAGGCTGAGCTCCATGACCGCCGCGAGACACGGCTC TGTATTACTGTGCGAGACATAACACCCGTTTACTTGCATTTGGTACTGACGACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA G
004	p136w60	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTGCTTTAATAGT TATGACATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATTAGTATTAGTGCTACTTACATATATTACGCAGACTC AGTGAAGGGCCGATTACCACTCCAGAGACAACGCCAAGAAGTCACTTTATCTGCAAATGAACGGCCTGAGAGTCGAGGACACGGCTGTGTAT TACTGTGCGGCATCCTCGTATAGCAGCAGCACGTCAAACCCGTACTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p136w7	IGHV	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGTCCATCAGCAGT GGTAGTTACTACTGGAGCTGGATTCCGGCAGCCCCGGGAAGGGACTGGAGTGGATTGGGCATATCTATACCAGTGGGAGCACCAATTACAAC CCCTCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGCGAGACACGGCC GTGTATTACTGTGCGAGACAAGGTATGACTCTTCCATGGACGTCTGGGGCCGAGGGACCACGGTACCGTCTCCTCA
004	p136w8	IGHV	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAACCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GGTGGTTACTATTGGAGTTGGATCCGCCAGCACCCAGGAAAGGGCCTGGAGTGGATTGCATTGATGTATTACAGTCGGAGCACGTACTACAACC CGTCCCTCGAGAGTCGAGTTCCATATCAGAAGACACGTCTAAGAACCAGTTCTCCCTGAAATTGAGGTCTGTGACTGCCGCGGACACGGCCGT GTATTATTGTGCCAGAAATCGGGTCGTTGGGCAGTGATACCGGACTACTTTGACCTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p136w90	IGHV	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCTCCTTCAGTAAC TATGACATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGATGGAACCTAATAAGTACTATACAGGCT CCGTGCAGGGCCGATTCTCCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGACCGCTGAGGACACGGCTGTCTA TTACTGTGCGAAAGATCGTAAGGTCCCGAACCTATAAGTGAACCCGGGATATTTGAAATTGGGGCCAGGGAACCCTGGTCACCGTCTCCTC AG
004	p136w94	IGHV	TCTGGATTATCCTCAGCAGCTATGCCATGCATTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAATTATATGGTATGATGGAA CTGAAAAATATTATGACAGCGCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAGGAACACGCTGTATCTGCAAATGAATAGCCTGGGA GCCGAGGACACGGCTGTATTATTGTGCGAGAGATGCGGATATTGTTGAAGACCAGTCGAGCCAGCGCCCAATTACGGTATGACGCTCTGG GGCCAAGGGACCACGGTACCGTCTCCTCA
004	p137w10	IGHV	GAAGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCTCTGACGATCTCCTGTAGGGGTTCTGGATACACCTTTTCCA ACTGGATCACCTGGGTGCGCCAGATGCCGGGAAAGGCCTGGAGTGGATGGGGAGGATTGATCCTAGTACTCCTATACCAACTACAACCCTG CCTTCCAAGGCCACGTCTCCATCTCAACTGACAAATCTATCAGCACTGCCTACCTGCACTGGAGCAGCCTGAAGGCCTCGGACACCGCCACCTA TTACTGTGTGAGACATGAAGGGAAGATGGCTACAATTACCAGACTTGGTTGACCCCTGGGCAGGGGAAGCCCTGGTCA

004	p137w101	IGHV	GAAGTGCAGCTCGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCCGGGGAGTCTCTGAGGATCTCCTGTCAGGGTTCTGGATACACCTTCACCAGC TACTGGATCAGCTGGGTGCGCCAGGTGCCCGCAAGGGCCTGGAGTGGATGGGGAGGATTGATCCTGGCGACTCTTATATCAACTACAGTCCG TCCTTCCAAGGCCACGTACCATCTCAGTTGACAAGTCCATCAACACTCCCTACTTACAGTGGAGCAGCCTGGAGGCCCTCGGACACCCGCCATGT ATTACTGTGCGAGACTCGGCCGTGTAGCAGCCTGTGTGGTTCCAGCCCTGGGCCAGGGACCCAGGTCACCGTCTCCTCAG
004	p137w108	IGHV	CAGGTGCAGCTGGTGCAGTCAAGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGATACACCTTCACCGGC TTCTATATGCACTGGGTGCGACAGGCCCTGGACAAGGATTTGAGTGGATGGGACGGATCAACCCTAACAGTGGTGGCACAAACTATGCACAGA AGTTTCAGGGCAGGGTACCATGACCAGGGACACGTCCATCAGCACAGCCTATATGGAAGTGAAGGGCCTCAGATCTGACGACACGGTCTGTTA TTACTGTGCGAGAGGGTCATATAAGTATGATCGCGGCATGGACGTGTGGGGCCAGGGGACCAGGTACACCGTCTCCTCA
004	p137w11	IGHV	GAGGTGCTACTGGTGGAGTCGGGGGGAGGCCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCAACTTCAGTTCC TATAGCATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCGTCCATTAGTACTAGTAGTAATTCATATATTACGCAGGCT CAGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGACCTCACTGTTTCTGCAAATGAACAGCCTGACAGTCCGAGACACGTCTTTTTAT TTCTGTGCGAGGGGTCCAAGCCGACTAGATCCGTGGCTGGCCTTTTGACCTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p137w113	IGHV	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAACCCTTACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGAGACTCCATCACCAGT GGTGGTTACTACTGGAGTTGGGTCCGCCAGCTCCCAGGGGGGGCCTGGAGTGGATTGCATTGATGTCTTACAGCCGGAGCACCCACTACAAT CCGTCCCTCGCGAGTCGATCTTTATATCAGAAAGACACGTCCAAGAACCAGTTTTCCCTGAAATTGAGGTCTGTGACTGCCGCGGACACGGCCG TGTATTATTGTGCCAGAAATCGGGTCTGTGGCAGCTGATACCCGACTACTTTGACCTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p137w114	IGHV	CAGATTCAGCTGATGCAGTCTGGAGCTGAAATGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTACACCTTTGCCAGCT TTGGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGGTGGATGGGATGGATCAGCACATATAATGGTAACACAACTATGCACAGAA GCTCCAGGGCAGAGTCACCATGAGCACAGACGCTTCCACGAGTACAGCCTACATGGAGTTGAGGAGCCTGAGATCTGACGACACGGCCCTGTA TTACTGTGCGAGAGCATCTCAAGGGGGTTCCGGGAGTTATTATAGTGTGGACGTCTGGGGCCAAGGGACCACGGTACACCGTCTCCTCA
004	p137w118	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTTAGTTAC GCCTGGATGAATTGGGTCCGCCAGTCTCCAGGGAAGGGCTGGAGTGGGTGGCCGATTAAGGACAGAGGTAATGGTGGAGACAACAGACTAC GCTGCACCCGTGAAAGGCAGATTACCATCTCCAGAGATGATTCAAAGAACACACTTTATCTACAAATGAACGCCCTGACAACCGAGGACACAGC CCTATATTACTGTTCCACAGTCCCCTCAAGTGCCAAGTACGGCTGGGGTGGCAGATTTACTACTGGGGGCCAGGGATCCCTGGTCACCGT CTCCTCAG
004	p137w119	IGHV	CAGGTACAGTTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCCTCGCAGACCCTCTCACTCACCTGTGCCATCTCCGGGGACAGTGTCTTACC AACAAATGCTGCTTGGAACTGGATCAGGCAGTCCCCATCGAGAGGCCCTTGGTGGCTGGGAAGGACATACTACAGGTCCAAGTGGTGGAAACGAT TATGCAGATTCTGTGGAAGTGCATAATCATCAATCCAGACACATCAAGAAACCAGTTCTCCCTGCATCTGACTCTGTGACTCCCAGGACAC CGCAATTTACTGTGCAAGGGCAAATGTAAGTGGTTCGGGGAAATTTAATCCCTTGAAGTGTGGGGCCAGGGAACCCTGGTCACCGTCTCCT CAG
004	p137w122	IGHV	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATGAAAAGT TATTTTGGACCTGGGTCCGGCAGCCCCGGGAAGGGACTGGAGTGGATTGGGTACATCCATCACAGTGGGAACACCAAGTACAACCCGTCCC TCAAGAGTCGAGTCGCCATTTAGTAGACACGTCCAAGAACCAGTTTTCCCTGAAGTTGAGTTCTGTGACCGCAGCGGACACGGCCGTGATTAT TGTGCGAGAGATTTAGGATACTCTGATGGTAGTGGTCCAGGGGGGTTGACTACTACGGAATGGACGTCTGGGGCCAAGGGACCACGGTACCC GTCTCCTCA
004	p137w124	IGHV	CAGCTGCACCTGCAGGAGTCGGGGCCAGGACTGGTGAAGTCTTCGGAGACCCTTTCCCTCACCTGCACTGTCTCTGGAGGCTCCATCACCAGT AACAAATTAAGTGGGGCTGGATCCGCCAGTCCCAGGACGGCCGTGGAGTGGATTGGAAGTGTCCATTACTGGGAACGGCTACTATAACCTG TCCCTCAAGAGTCGACTACCATATCCGTTGACTCGTCCAAGAATCAGTTCTCCCTGAGGCTGAACCTTTGTGACCGCCGAGACACGGCTGTCTA TTATTGTGTGAGACAGTTGATGGACACAGATATGGGTATGAATTGGTTCGACCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p137w125	IGHV	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGATACACCTTCACCGGC TACTTTATACTGGGTGCGACAGGCCCTGGACAAGGGCTTGGTGGATGGGATGGATCAACCCTAACAGTGGTGGCACAAACTATGCACAGA AATTTAGGACTGGGTACCATGACCAGGGACACGTCCATCAGCACAGCCTATATGGAGCTGAGCAGGCTGAGATCTGACGACACGGCCGTTTA TTACTGTGCGAGGGACGCATATTACTATGGTACTAGCGGCTATTATTTTCTCATCAGTACTATTACGGTATGGACGTCTGGGGCCAAGGGACCA CGTACACCGTCTCCTCA

004	p137w126	IGHV	CAGGTGGAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGTGTCTATGGTGGGTCGTTTCAGTGTATTCATCTGGAGCTGGATCCGCCAGTCCCCAGGGAAGGGGCTGGAGTGGATTGGGGAAATTAATTATAGTGGAAATACCAACTACAACCCGTCCTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAATCAGTTCTCCCTGAAGATGAACTCTGTACCGCCGCGGACACGGCTGTGTATTA CTGTGCGAGAGCCTCATATTTGCAGTAGTACCAGATGCTATAACCGATCCTGGTTCGGCCCCCTGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p137w128	IGHV	CAGGTCCGCCTTGTGCAGTCTGGGACTGAGGTGAAGAAGCCTGGGACCTCAGTGAGGGTCTCCTGCAAGGCTGATGGACACAGTTTCAGTAGT TATGCTATGCATTGGGTGCGCCAGGCCCGGACGAAGGTATGAGTACATGGGACGGGTACGCCCGGCAATGGTAAGACAGAGTATTCACAG ACGTTCCAGGACAGAATCACCATTACGAGAGACATATCCGCGCGAACAGTCTACATGGAGTTGAGCGGCCTGAGATCTGAAGACACGGCTGTTT ATTACTGTGCGAGGCAGGGGGAAGCCCGTTTGACGATGTCTGGAGTCCTTATCGAATCCGGTCTGGAACCTCTGGGGCCAAGGGACCACGGTCTG CCGTCTCCTCA
004	p137w130	IGHV	GAAGTGCAACTGGTGGAGTCTGGGGGAGTCGTGATACAGCCTGGGGGGTCCCTGAGACTCTCGTGTACAGCCTCTGGATTACCTTTAATGATT ATGGCATGCACTGGGTCCGTCAAGCTCCGGGGAAGGGTCTGGAGTGGGTCTCCTTTATTAGCTGGGATGGACGTAGGACAGATTATGTAGACTC TGTGAAGGGCCGCTTACCATCTCCAGAGACAACGGCAAAAACCTCCCTGCATCTGCAAATGAACAGTCTGAGAACTGAGGACACCGCCCTCTAT TATTGTACAAGAACCTGGGGTGGGGGAAGAAGTACTTTGAGTATTGGGGCCAAGGAACCCCTGGTCACCGTCTCCTCAG
004	p137w131	IGHV	CAGGTGCAGTTGGTGCAGTCTGAGAATGAGGTGCGGACGCCTGGGGCCTCAATAAGGATTGCCTGCAAGGCATCTGGATATGCCTTACCAGT TATTCTCTCCACTGGGTGCGGCAGGCCCTGGGCAAGGCCCTTGAAGTGGTGGGAATGATCGACCCCGTGGTGGCAGCACAAGTTCGGCTCAG GATTTCCAGGGCAGACTCATCTTGACAAGGGACACGTCCAAGAGTACGGCATATATGGAATTGAGAAACCTGAGATATGAAGACAGGGCCCTTT GTGCGAGAGGATCGGGCATACAAGTATTACCAGATGACTATTGGGGCCAGGGCACCCCTGGTCACCGTCTCCTGCCC
004	p137w132	IGHV	CAGGTGCAGCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGCCTTCGGAGACGCTGTCCCTCACCTGCACTGTCTCTGGTGGCTTCATCAGTGT TACTATTGGACCTGGATTGCGCAGTCCCCGGGGAAGGGACTGGAATGGATTGGATATATTCATTCCAGCGGGAGCCCCAACTACAACCCCTCCC TCAGGAGTCGAGTCACCATGTCACTGGACACGTCCAAGAGCCGTTCTCCCTGACTCTGAGCTCTGTGACCGCCGCGGACACGGCCTTTTATTA CTGTGCGAGAGTTGGTTTGGTTGCGGGACCTATCCCCTATGCGATGGACGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
004	p137w135	IGHV	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGATACACCTTACCAGGC TACTTTATACTACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGATGGATCAACCCTAACAGTGGTGGCACAACCTATGCACAGA AATTTGAGGACAGGGTACCATGACCAGGGACACGTCCATCACCACAGCCTATATGGAGCTGAGCAGGCTGAGATCTGACGACACGGCCGTTTA TTAAGTGTGCGAGGGACGCATATACTATGGTACTAGCGGCTATTATTTTTCTCATCAGTACTATTACGGTATGGACGTCTGGGGCCAAGGGACCA CGGTCACCGTCTCCTCA
004	p137w137	IGHV	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCGACCTATGGATTACCTTCACTGAC TACTACATGAACTGGATTGCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTCCATCCATTAGTAGTGATAGTTATTACACAACTACGCAGACTC TGTGAAGGGCCGATTACCATCTCCAGAGACAACGGCAGGAGTCACTGTTTCTACAAATGAACAGCCTGAGAGCCGAGGACACGGCCGCTA CTACTGTGCGACAGTATCAAGGCTACGGTTCGGGGAAATCTTTCCAAAATACTTTGATTTCTGGGGTCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p137w142	IGHV	CAGGTGCAGCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGGCTTCGGAGACCCTGTCCCTCACCTGCATTGTCTCTGGTGGATTGCTCAGTGT TACTATTGGACCTGGATCCGGCAGTCCCCAGGGAAGGGACTGGAGTGGATCGGGTATACCTCCTTTCAGTGGGATGACCAACTACAACCCCTCC CTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCCTTCGCCCTGAGGCTGAGTTCTGTGACCGCTGCGGACACGGCCGTATATT ACTGTGCGAGAGTTGGTATGATTGCGGGACCCATCATATATGGTTTGGACGTCTGGGGCCAAGGGACCACGGTCACCGTCTTTTCAG
004	p137w15	IGHV	GACATTCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCGGGGGGTCCCTGATTCTCTCCTGTGCAGGCTCGGGATTTAGTTTCAGTGTAT TATTGGATGAGCTGGGTCCGCCAGTCTCCAGGGAGGGGGCTGGAGTGGGTGGCCAACATCAACCAAGATGGAAGTGAAGAGACTATGTGGAC TCTCTGAGGGGCCGTTTACCATCTCCAGAGACAACGCCAAGAAGTATTATATCTCCACATGAACAGCCTGGGAGCCGAGGACACGGCTGTAT ATTACTGTGCGAGAGGGGAATATAACTGGAACGACGGAGACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p137w20	IGHV	CAGCTGCAGCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT AGTTACTACTGGGGCTGGATCCGCCAGCCCGGAGGGAAGGGGCTGGAGTGGATTGGGAGTGTGTCTTATAGTGGGAGTACCTACTACAACCCG TCCCTCAACAATCGAGTCACCATTTCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACACACGGCTATGT ATTACTGTGCGAGACATAAATTCGATCACAACAGCTGGTACGTTGGCTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCTCA G
004	p137w21	IGHV	TGCTGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCGACCTCTGGATTACCTTTAGTACTACTA CATGACCTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTCATATATTACTGGTGGTGGTACTACAATATATTATGCAGACTCTGTG AAGGGCCCGTTACCATCTCCAGGGACAACGCCAAGGCCTCACTGTATCTGCAAATGAGCAATCTAAGAGTCGAAGACACGGCCGTATATTATT GTGCGAGAGGGAACATATGGTTAGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG

004	p137w22	IGHV	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGGCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATGACTGGT TCCTACTGGAAGTGGATCCGGCAGCCCCGGGACGGCACTGGAGTGGATTGGGTATATCTTTACAGTGGGAGCACCAACTACAACCCCTCCCTC AAGAGTCGAGTCACCATGTCACTAGACACGTCCAAGAAGCACTTCCCTGAAGCTGAGCTCTGTGACCGCTCGGGACACGGCCGTCTATTACT GTCCGAGAGACGGTATAGTGATGGCTGGACGCTACTGGACTTCGATCTCTGAGGGCCGTGGCACCCCTGCTCACTCCTCAG
004	p137w23	IGHV	GCGGTGCAACTGGTGAATCTGGGGGAGGCTTGGTCCAGCCTGGGGGTCCCTGAGACTCTCTGTGCAGCCTTGGATTACCCGTGAGGCA CAACTACATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGTTGTTTATAGCGCTGGTCCCACATACTACGCAGACTC CGTGAAGGGCCGATTACCATCTCCAGAGACGATTCCACGAACACCCTGTCTCTCAAATGAACGGCCTGAGATTTGAGGACACGGCTGTCTAT TACTGTGCGAGA
004	p137w26	IGHV	CAGATCACCCCTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCATTACCTCTA GTGGAGAGGTTGTGAGCTGGATCCGTACGCCCCAGGAAAGGCCCTGCAGTGGCTTGCACCTATTTATGGGGATGCTGATAAGCGCTACAGCC CATCTCTGCAGGGCAGGCTCACCATCACCAAGGACACCTCCAAAAGCAGGTGGTCCCTTACATTGACCAACATGGACCCTCTGGACACAGCCAC ATATTATTGTGCACACAGAGATCTTTTGTAGTGGTTATGGGCACACTACTACGGTTTGGACGCTCTGGGGCCAGGGGACCACGGTCACCGTCTCCTCA
004	p137w27	IGHV	GAAGTGCAGCTGGTGCAGTCTGGAGCAGAGGAGAAAAAGCCCCGGGGAGTCTCTGAGGATCTCCTGTAAGGCTTCTGGATACACCTTTACCAATA ACTGGATCACCTGGGTGCGCCAGATGCCGGGAAAGGCACGGAGTGGATGGGAAGGATTAATCCTAGTGACTCTTCTACCGACTACAGCCCGT CCTTCCAAGGCCACATCACCATCTCAACTGACAAGTCCATCGGCACTGCCTACCTGCAGTGGAGCAGCCTGCAGGCCTCGGACAGCGCCATGT ATTACTGTGCGAGGGGTACGGCTGGTGCAGTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
004	p137w28	IGHV	CAGGTGTCCCTGCAGGAGTCGGGCCCAGGACTGGTGCAGCCTTACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGTCTCCATCGGCAGG GGTGGTTACCACTGGAACCTAATTCGCCATCGCCCTGGGAAGGGCCTGGAGTGGATTGGGTACATCTTCTACAGCGGGACTACCGAGTACAAC CCGGCCCTGAGGAGTCGAGTGTCCATGTCCGTAGATCTCTAAGAACCAATTCTCCCTCAAGCTGAGCTCTGTGACTGCCGCGACACGGCCA TGTACTACTGTGCGGGTGAACAGTTAGCAGCAGTTGGTATCGGCCGGAAGCCCTTACTACTGGGGCCAGGGAGCCCTGGTCACCGTCTCCT CAC
004	p137w30	IGHV	CAGCTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGATCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCGGT AGTTATTAATACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTTTATAGTGGGAGAACCTACTACAACC CGTCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACACAGGCTGT GTATTATTGTGCGAGACATAATTCCCGTATAGCTGCACGTGGTACTGACGACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA G
004	p137w32	IGHV	CAGGTGCAGCTGGTGAATCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCGCTTGTGCAGCCTCAGGATTCACCTTCAGTAGA AATGCCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGGTATGTCATATGATGGGAGTGATAAATATTACGCAGCC TCCGTGAAGGGCCGATTACCATCTCCAAAGACACTCCCAAGAGCAGATGTATCTGCAGATGGATAGCCTGAGAGCTGACGACACGGCTATAT ATTACTGTGCGAAAAGATATTTTAAATTCAGGGCACTTTGACCACCTGGGGCCCTGGTCAACCCTGCTCCTCAG
004	p137w34	IGHV	GAGGTGCAGTTGGTGGAGTCTGGGGGAGGCTTGGTACAACCGGGCAGGTCCCTCAGACTCTCCTGTGCAGCCTCTGGATTACCTTTGATGAT TATGCCATGAACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAATGGGTCTCAAGTATTAATTGGAACAGTGGTAGTGGGGCTATGCGGAC TCTGTGAAGGGCCGATTATCATCTCCAGAGACAACGCCAGGAATCCCTGTATTTACAGATGAACACTCTGAGAAGTGGGACACGGCCTTATA TTACTGTGCAAAAGACCCGAGGAGCAGTACTGGCTGGCAAAGGGGACTGCTCTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTCCTC AG
004	p137w36	IGHV	CAGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCTCGGTGAAGGTCTCCTGCAGGACTTCTGGAGCCACCTTCAACAAC TACATCATCACCTGGGTGCGACAGGCCCTGGACAAGGCCTTGAGTGGATGGGAGAAATCCTCTTTTCTACACCAGTCTACGCACAGGAGTTCC AGGGCAGAGTCACCATACCGCGGACGAATCCACGAGCACAGCCTACATGGACCTGACCAGCCTGAGATCTGAGGACACGGCCGTCTATTCT GTCCGAGCGGGCCCTCGTATTGTCTGGTGGTAACTGCTACACCGCCCTGACTTCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
004	p137w47	IGHV	GTTATGCTATGCAGTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAAGATGTTTACGCTATTAGTCTTAGTGGCAGTAGCACATACTACGCAGA CTCCGTGAGGGGCAGATTACCATCTCCAGAGACAATTCCAGGAACACGCTGTATCTTCAAATGAATAGTCTGAGAGCTGAGGACACGGCTGTG TATTATTGTGAAAAGATGGGGGCCCTAGGGGTTCCGGGAGTACTTATCGTGCGAGTCTTACTTTGACTACTGGGGCCAGGGAACCCTGGTCA GCCGGTCTCCTC
004	p137w51	IGHV	CAGGTGGAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGGGAC TACTACATGAGCTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAATATGTTTACATATACAGTGGTAATAATGGTTATACAGACTACGCAGACTC TGTGAAGGGCCCGTTACCATGTCCAGAGACAACGCCGAGAATTCAAGTGTCTTACAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTAT TACTGTGCGAGAGGTAGATGGGGAGCGCACTTCTACTTCGATCTTTGGGGCCGTGGCACCCCTCGTCACTGTCTCCTCAG



004	p137w52	IGHV	CAGGTGCAACTGGTGCAGTCTGGGGCTGAGGTGAGGAAGCCTGGTTCCTCGGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCACCTTCAGCACCTACTATCCACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGAGGGATCATCCCTATCTCCACCACAACAAGCTACGCACAGAAGTTCAGGGCAGAGTCACGATCACCGCGGACGAGTCCACTAGGACAGCCTTCATGGAAGTGAAGTCCCTGAAATCTGACGACACGGCCGTCTATTACTGCGGAGCCGCTGTGTGGTCTTAATGATGGTGGCTGCTACCTGGGGTCCCTTGGACTTCTGGGGCCAGGGAACCCTGGTCGCCGTCTCCTCAG
004	p137w58	IGHV	CAGGTCCAACCTTGTGCAGTCTGGGGCTGAGGCCAAGAAGCCTGGGGCCCTAGTGAAGTTTTCTGCAAGGCTTCTGGATACACCTTCCCTATCTATGCTATAACATTGGGTGCGCCAGGCCCGGACAAGGCCTTGAAGTGGGTGGGATGGATCAACGCTGCCACTGGTCACACAAAATATTCACAGAACTCCAGGGCAGAGTCACCATTACCAGGGACACATCCGCGAGCACAGCCTACATGGAGCTGAGCAGCCTGAGATCTGAAGACACGGCTGTGTATTTCTGTGCGAGACCCCCTACTCCCAGCTACGGTGGTAACCCACATATGCCTACTTTGACTACTGGGGCCAGGGAACCCTAGTCACCGTCTCCTCAG
004	p137w60	IGHV	CAGGTGGAGCTGGCGGAGTCTGGGGGAGGCTTGGTCAACCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGTTTCCAGCTTCAGGGACTACTACATGAGCTGGATCCGCCAGGCTCCAGGGAGGGGGCTGGAATATGTTTTCTTACATCAGTGGTAAATAGCGGTTACACAAAACCTACGGAGACTCTGTGAAGGCCCGATTACCATCTCCAGAGACAAACGCAAGAACTCAGTGTATCTGCAATGGACAGCCTGAGAGCCGAGGACACGGCCATGTATTACTGTGCGAGAGGAAAAATGGGGAGCGCACTTCTACTTTCGATCTTTGGGGCCGTGGCGCCCTGGTCACTGTCTCCTCAG
004	p137w7	IGHV	CAGGCGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCCTCAGTGAAGTTTTCTGCAAGGCATTTGGATACACCTTCACCAGACACTATATCCACTGGGTGCGACAGGCCCTGGACAAGGG
004	p137w8	IGHV	GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAACACGACATGCACTGGTCCGCAAACTCCAGGAAAGTCTGAAATGGGTGCGCAATATTGGTACTGCCGTGACACATACTATGCAGGCCTCCGTCGAGGGCCGATTACCATCTCCAGAGAAATGCCAAGAATTCCTATATCTTCACATGAACAGCCTCATAGCCGGGGACACGGCTGTGTATTACTGTGCAAGAGACCCGCGTGGTTGGGTGCCACTGGCTGGTTCCGTAAGTGGTACTTCGATCTCTGGGGCCGTGGCGCCCTGGTCACTGTCTCCTCAG
004	p137w90	IGHV	CAGATACACCTGGAGCAGTCCAGGACTGGTGAAGCCCTCGACAGCCCTCTCACTACCTGTGCCATCTCCGGGGACAGTGTCTCTGGTGACTGTTGCTTGGAACTGGATCAGGCAGTCCCGTCGAGAGGCATTGAGTGGCTGGGAAGACATACTACAGGCACAAGTGGTATTATGATTGTCAGTCTCTGAAAGGTCGAATAAGCATCATCCCAGACACATCCAGGAACCAGGTCTCCTTGAAGTGAAGTCTGCAACTCCCAGGACACGGCTATTACTGTGCAAGGGCGGCGCATAGCAGTAGAAAAGATGGGAACGCCCCGAATCCCTGACTACTGGGGCCCGGGAACCCGCTGGTCACCGTCCTCAG
004	p137w93	IGHV	CAGGTGCAGCTCCACCAGTGGGGCGCAGGGCTCATGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGGTGTCCATGATGGGTCCCTGAGTATTATTATTGGAGTTGGATCCGCAATCCCAAGGAGGGGCTGGAGTGGATTGGGAAATCAATCATGGTGAAGAACCAACTACAACCCGTCCCACAAGAGTCGAGTACCATATCAGTAGACACGCTCTAAGAACCAGTTTCCCTGAAGATGAGTTCTGTGACCCGCGGACACGGCTGTGTATTATGTGCCATATAGCAGTGGTATTCTTACTTCTACTACGGTGGAGCTCTGGGGCAAGGGACCACGGTCAACCGTCTCCTCA
004	p137w94	IGHV	CAGCTGCAGCTGCAGGAGTCCGGCCCCAGGACTGGTGAAGCCTTCGGAGATCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCGGTAGTTTACTACTGGGGCTGGATCCGCGAGCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTTTATAGTGGGAGAACCCTACTACAACCCGTCCTCAAGAGTCGAGTACCATATCCGTAGACACGTCOAAGAACCAGTTCTCCCTGAAGTCTGAGCTCTGTGACCCGCGCAGACACGGCTGTGATTATTGTGCGAGACATAATCCCCTATAGCTGCACGTTGACTGACGACTTTGACTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAAG
004	p137w95	IGHV	CAGGTGCAACTACAGGAGTCCGGGCCAGGACTGGTATGCCTTCGGGGACCCTGTCCCTCACCTGCGCTGCCTCTGGTACTCCGTACAGCACTATAACTGGTGGACTTGGGTCCGCCAGCCCCAGGGGGGACTGGAGTGGATTGGAGAAATATATCCCACTGGGAGCACCAATTAACATCCGTCCCTCAAAAAGTCGAGTACCATTTCCCTTCGACACACCCAAGGAGCAGTTCTCCCTGAGTTGCGTTCTGTGACCCGCCGCGGACACGGCCATATTATTGTGCCGTTGATCTCAACTCGTCGGGGCCGAGGGCTCCTGGGGCCAGGGAATGCTGGTCAACCGTCTCCTCAG
004	p132w10	IGLV	GACATCCAGATGACCCAGTCTCCATCTTCTGTGTCTGCATCTGTTGGAGACAGAGTACCATCACTTGTCCGGCGAGTCAAGTATTAGAAGTTGGTTAGCCTGGTATCAGCAGAAACCAGGGAAAGCCCTAACGTCCTGATCTATGGTTCATCCAGTTTGAAGGTGGGGTCCCATCAAGTTCCACCAGTGGATCTGGGACAGATTTCACTCTCACTATCACCAGCCTGCAGCCTGAAGATGTTGCGACTTACTATTGTCAACAGGGTAAACAGTTTCCCCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p132w101	IGLV	GACATCCAGATGACCCAGTCTCCCTTCCCTGTCTCGCTGTAGGAGACAGAGTACCATCACTTGCCTGGGCAAGTCAAACATTTTCAACTATTTAAATTGGTATCAAAGAGGCGGGGAGAGCCCTTAGGTCCTCATATATGGTGTGTCTACATTGCAAGTGGGGTCCCATCAAGTTCCAGTGGCGGTTGGAGCTGGGACAGAAATTCACTCTCACCATAAGCAGTCTCCAACCTGAAGATTCTGCAACTTACTACTGTCAACAGAGTTTCTGGTTCACTTTCCGGCACTGGGACCAAGTCCGATATCGAAC
004	p132w106	IGLV	GAAATTTGTTGACACAGTCTCCAGCCACCCTGCTTTGCTCCAGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAAGTGTACCACCTACTTGCCTGGTACCAACAGAAACCTGGCCAGGCTCCAGGCTCCTCATCTATGATGCATCAACAGGGGCACTGGCATCCCAGCCAGGTTCCAGTGGGTCTGGGACAGACTTCACTCTCACCATC

004	p132w107	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGTAGTGACCTTGGTGATT ATAACTATCTCTCTTGGTACCAACACCACCCCGGCAAAGCCCCAAACTCATCATTTTTGAAGTCATCAATCGGCCCTCAGGAGTTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGCTTATTATTGCAGTTCATATGTAAG CCGCAGCACTATAATTTTCGGCGGGGGACCAAACCTGACCTCCTAG
004	p132w108	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACACACCAGGCAAAGCCCCAAACTCATGATTTATGAGGTCTTTAAGCGGCCCTCAGGGGTCCCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCAGCTCATATTCAG GCAACAACCGCGTGATTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
004	p132w113	<i>IGLV</i>	CAGTCTGTTTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCAAGGACAGAAAGGTCACCATCTCCTGCTCTGGAAGCGGCTCCAACATTGGGAATA ATGGTGTGGCCTGGTACCAGCATATCCCAGGAACAGCCCCAAACTCCTCATTTATGACGACATTAGGAGACCCTCAGGGATTTCCTTACCGATT TCTGGCTCCAAGTCTGGCACGTCAGCCACCCTGGACATCACCGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACGTGGGAAAGC AGCCTGAGTATTGCTGTCTTCGGAACCTGGGACCACGGTCACCGTCCTAG
004	p132w117	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTGCGGGCCAGTCAGACTGTCTCTATGTG GTTGGCCTGGTATCAGCAGAGACCAGGAAAGCCCCCTAACTCCTGATCTATAGGGCATCTACTTTAGAAAAATGCGGTCCCATCAAGATTTCAGC GGCAGTGGATCTGGGACAGAATTCGCTCTGACCATCAGCAGCCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAAATACTACTTATCC GTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
004	p132w119	<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTGTCTCCAGGTGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCAGTG CCTTCGTGGCCTGGTACCAGCAGAAACGTGGCCAGGCTCCAGGCTCGTCATTTATGGTACATCCAATAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACGGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATGCTGCAGTGTATTACTGTCAGCAGTATGGAGCC GCAGTCATGTACACTTTTGGCCAGGGGACCAAGTTGGAGATCAAAC
004	p132w125	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCACCCTCCCTGTCTGCATCTGTTGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTTCGAGCC ATTTAAATTGGTATCAGCAGAAACCAGGAAAGCCCCCTAACTCCTGATCTATGCTTCATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTACTACTGTCAACAGAGTTACAGTATTCTC CGCAGTTTTGGCCAGGGGACCAACCTGGAGATCAAAC
004	p132w126	<i>IGLV</i>	GAAATAGTGATGACGCAGTCTCCAGCCACCGTGTCTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGGATTGGCAGC AGCCTAGCCTGGTACCAGCACAAACCTGGCCAGGCTCCAGTCTCCTCATCTATGGTGCAACCACAGGGCCACTGGAATCCCGCCCAGGTTTC AGTGGCAGTGGGTCTGGGGCAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTCTATTACTGTCAGCAGTATCAGATCTG GCCACGGACGTTTCGGCCAAGGGACAGGGTGGAAATCAGAC
004	p132w128	<i>IGLV</i>	TGCCCTGACTCAGCCTCCCTCCGTGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCTCTGGAACCAGCAATGATGTTGGTGGTTATACC TATGTCTCCTGGTACCAACATTTCCCGGGCAGAGTCCCCAAAGTCATCCTTTATGATGTCTATCAGCGGCCCTCGGGGGTCCCTGATCGGTTCTC TGGCTCCAGTCAAGCAACACGGCCTCCCTGACCATCTCTGGACTCCGCATTGAGGATGAGGCTCATTATTATTGTTGCTCATATCGCGGCAGC TCGAAGTGGGTCTTCGGCGGAGGGACCAAGGTGACCGTCCTCA
004	p132w130	<i>IGLV</i>	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCAAA GTAATGGATAACAATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATTTGGGATCTAATCGGGCCCCCGGGGT CCCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAGAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATG CAAGCTCTACAACTCCTCCGTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
004	p132w132	<i>IGLV</i>	TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGGACAGACAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAACTATTTTG CAAGCTGGTATCAACAGAAGCCAGGGCAGGCCCTGTACTTGTATCTATGGTGAACAAGCGGCCCTCAGGAATCCCAGACCATTCTCTGG CTCCAGCTCAGGAAACACAGCTTCCCTTGACCATCACTGGGGCTCAGGCGGAGGATGAGGCTGACTATTACTGTAAGTCCCGGGACAGCAGTGC TTACCGTCTGGTCTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
004	p132w133	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGCGTCTGGGTCTCCTGGACAGTCGATCACCCTGGCCTGCACCGGTAGCAGCAGTGATATTGGTGAC TCAAAGCTTGTCTCTTGGTACCAGATTCGTCGCCGACAGCCCCCGCACTCATTATTATGAGGTCAATAAGCGGCCCTCAGGGATTTCTTATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGTCCAGAGTGAAGGACGAGGCTGCCTATTATTGCTGCTCATATGTC GATTCATCCCTTATGTGATTTTCGGCGGAGGGACGCAAGTGACCGTTTTAA
004	p132w134	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCCTGTCTGCATTTGTAGGGGACAGAGTCACCATCACTTGCCAGGCGAGTCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACCAGGAAAGCCCCCTAAGTCTGATCTACGATGCATCCAATTTGAAACAGGGGTCCCACTGAGGTTTCAGTG GAAGTGGATCTGGGACAGATTTCACTTTACCATCAGCAGCCTGCAGCCTGAAGACGTTGCAACATATTATTGTCAGCAGTATGAAAATCTCCCG CTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p132w135	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGCT ATAACTTTGTCTCCTGGTACCAACAGTATGCAGGCAAAGCCCCAAACTCTGATTTATGAGGTCAATAATCGGCCCTCAGGGGTTTCTGATCGCT TCTCTGGCTCCAAGTCTGCAACACGGCCTCCCTGACCGTCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGCAGCTCATATAGATC CACCACACTGTGGTTTTTCGGCGGAGGGACAGGTTGACCGTCCTAG

004	p132w137	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTCACCCCTGGAGAGTCGGCCTCCATGTCTGCAGGTCTAGTCAGAGCCTCCTGCATA ATAATGGGAACAACACTATTTGGATTGGTATGTGCAGAAGCCAGGACAGTCTCCACAACCTCTGATCTACTTGGGTTCTCATCGGGCCTCCGGGGT CCTGACAGGATCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGC AAGCTCTACAAACTCCATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC
004	p132w142	IGLV	CAGTCTGCCCTGACTCAACCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATTTCTGCACTGGAACCAGCAGTGACGTTGGTACTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAACTCATAATTTGTGATGTGAGTCATCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTAT
004	p132w15	IGLV	CAGTCTGCCCTGACTCAGCCTCCCTCCGTGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCTCTGGAACCAGCAATGATGTTGGTGGTT ATACCTATGTCTCCTGGTACCAACATTTCCCGGGCAGAGTCCCCAAAGTCATCCTTTATGATGTCTATCAGCGGCCCTCGGGGGTCCCTGATCG GTTCTCTGGCTCCACGTCAGGCAACACGGCCTCCCTGACCATCTCTGGACTCCGCATTGAGGATGAGGCTCATTATTATTGTTGCTCATATGCGG GCAGCTCGAAGTGGGTCTTCGGCGGAGGGACCAAGGTGACCGTCTCTCA
004	p132w21	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATTTCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGTAGAGCCCCAACTCATTATTTGTGATGTGAGTAGTCGGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGACGCTCATATACAA GCACGAACGGTCTCGAGAATTATGTCTTCGGAACCTGGGACCAAGGTACCCGTCCTAG
004	p132w22	IGLV	CAGCCTGCCCTGACTCAGCCTGCCTCTGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGGGATATTGGCGGTT TTAATTATGTCTCTTGGTACCAACAGTCCCCAGGCAAAGTCCCCAACTCATTATTTAAGTCAATAATCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGCCCTCCAAGTCTGGCAGACAGGCCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATTCAAG TGTCGACACCTCTGTGGTTTTTCGGCGGCGGGACCAAGCTGACCGTCTCTAC
004	p132w26	IGLV	CAGTCTGTCTGACTCAGCCACCCTCAGCGTCCGGGACCCCGGGCAGAGGGTCCGCATCTCTTGTCTGGAAGCAGCTCCAACATCGGACGT AATCTATAAACTGGTACCAGCAAGTCCCAGGAACGGCCCCAACTCCTCATCTATAATAATGATCAGCGGCCCTCAGGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTATTGTCAACATGGGATGAC AACCTGAATGGTGGTGTCTTCGGGACTGGGACCCAGGTACCCGTCCTGG
004	p132w28	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATAAGTATGTCTCCTGGTACCAACAACACCCAGGCAAAGGCCCCAACTCATAATTTATGAGGTCCGTCTTCGGCCCTCAGGGGTTTCTGATCGC TTCTCTGGCTCCAAGTCTGGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTTATTACTACTGCAGCTCATATGCAA CCTGCACCAGTCACTGTGTGCTATTCCGTGGAGGGACCAAGGTGACCGTCTCTAG
004	p132w31	IGLV	GACATCCAGATGACCCAGTCTCCTTCCACGCTGTCTGCATCTGTAGGAGACAGCATCAGCATCACTTGTCCGGCCAGTCAGAACATTGATATTTG GTTGGCCTGGTATCAGCTGAAACCAGGGAAAGCCCCCTAGACTCCTGATCTATAAGGCGTCTCGTTTTAGAAATGGGGGCCCTTCAAGGTTTCAGC GGCAGTGGATCTGGGACAGAGTTCACCTCTCCATCAGCAGCCTGCAGCCTGATGACTTCGCAACTTATTACTGCCAACACTATGACAGTTTTCC TCTACTTTCCGGGG
004	p132w32	IGLV	GAGTCTGTCTGACTCAGCCACCCTCAGCGTCTGGGACCCAGGGCAGAGGGTACCATCTCTTGTCTGGAAGCAGCGCCAACATCGGACGT AAAAATGTAAACTGGTACCAGCATCTCCAGGAACGGCCCCAACTCCTCATCTATGGTAATGATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGTTCAACATGGGATGC CAGCCTGACTGGTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCTCTAG
004	p132w33	IGLV	CAGCCTGTACTGACTCAGCCACCGTCTGCATCAGCCTCCCTGGGAGCCTCGGTACACTCACCTGCACCCTGAGTAGCGGCTACAGTAATTATA AAGTGGACTGGTACCAGCAGAGACCAGGGAAGGGCCCCCGGTTTGTGATGCGGGTGGGCCTGGTGGGATTGTGGGATCCAAGGGGGATGGC ATCCCTGATCGTTCTCAGTCTTGGGCTCAGGCCTGAATCGGTACTTACCATAAAATACATCCAGGAAGAGGATGAGAGTGACTACCACTGTGG GGCAGACCATGGCAGTGGGAACAACCTCGTGCGGGTGTTCGGCGGAGGGACCAAGGTGACCGTCTCTAG
004	p132w34	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCTCTGGAACCGCCAGTGGTGTGCGACTT ATAACTTTGTCTCCTGGTATCAACAACACCCAGGCAAAGTCCCCAACTCATGTTTATGACGTGAGTCAGCGGCCCTCAGGGGTTTCTAGTCGC TTCTCTGGCTCCAAGTTTTGGCGACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGTTTATTACTGTTGCTCATTTTTGG TAGTGTGAGGGTGTTCGGCGGAGGGACCAAACTGACCGTCTCTAG
004	p132w36	IGLV	GACATCCCGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTCCCGGGCCAGTCAGAATATTGGTACCT GGTTGGCCTGGTATCAGCAGAAAACAGGAAAGCCCCTGACCTCCTGATTTATAAGGCGTCTAGTTTAAAAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAAATCACTCTCACCATCAGCAGCCTGCAGCCTGACGATTCCGCAACTTATTACTGCCAACAGTATGATAATTATT CGTGGACGTTCCGGCCAAGGGACCAAGGTGAAATCAAAC
004	p132w37	IGLV	TCTTCTGAGTTGACTCAGGATCCTACTGTGTCTGTGGCCTTGGGACAGACGGTCCAGCATCACATGCCAAGGAGACAGCCTCAGAAAGTATGATG CAACCTGGTACCAGCAGAAGCCAGGACAGGCCCTATACTTGTCAATTTATCGTAAAAACACCGGCCCTCAGGATCCAGACCGATTCTCTGG CTCCAGTTCCAGGACAAACAGCTTCCCTGACCATCACTGGGGCTCAGGCGGAGGATGAGGCTGACTATTATTGTAACCTCCGGGACTGGAGCACT CAGCATGTGGTATTCCGGCGGAGGGACCAAGGTGACCGTCTCTAC

004	p132w38	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGCCGGAGAGGGTCAACATCGAGAGT AATACTGTTAGCTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATCTATAATAATAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGCCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGCTCCAGTCTGAAGATGAGGCTGATTATCACTGTGCAGCATGGGATGA CAGCCTGAATGGTTGGTGTTCGGCGGAGGGACCCAGCTGACCCGCTAA
004	p132w46	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTCTTTTATTCA GCTCCAACAATAAGAATACTTAGCTTGGTACCAGCAGAACTTGGACAGCCTCCTCGGCTGCTCGTTTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTAGTGGCAGCGGGTCTGGGACAGATTTACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAATTTATTACTGT CAACAGTATTTTTATACTCCTTTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAAC
004	p132w47	IGLV	CAGTCTGTACTGAGTCAGCCACCCTCAGCGTCTGGGTCCCCGGGCAGCGTGTCAATTGTCTTGTCTGGAGGCAGCTTCAACATCGGATTTG GTTATGTTTTGCTGGTACCAACAACCTCCAGGAGCGGCCCCAAACTCCTCATTACAGGACCAATGAGCGGCCCTCAGGGGTCCCTGACCGATT CTCTGCCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGTCTCCGGTCCGAGGATGAGGGTGATTATTACTGTGCAACATGGGATGAC AGCCTGAAAAGTTACGTCTTCGGATCTGGGACCAGGGTCAACGTCTTCC
004	p132w52	IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTGGCAGC AACTTAGCCTGGTACCAGCAGAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATCGTTCCTCGACCAGGGCCACTGGTATCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCATCTCATCATCAGTAGCCTGCAGTCTGAAGACTTTGCAATTTATTACTGTGCAAGATGATAGTAACTGG CCTCTCTTTTCGGCGGAGGGACCAAGATGGAGACCAAAAC
004	p132w55	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGTCTCCTGCATA GTAGTGGATAACAATAATTGGAATTGGTACGTGCAGAAGCCAGGGAAGTCTCCACAGGTCTGATCTATTTGGATTCTAATCGGGCCTCCGGGGT CCTGACAGATTCAGTGGCAGTGGATCAGGCACAGAGTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGC AAGTTCTACAACTCCGATCAGTTTTGGCCAGGGGACCAAGCTGGAGATCAAGC
004	p132w58	IGLV	TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCCTGGGACAGACAGTCAGGATCACGTGCCACGGAGACAGCCTCAGAAGTTTTGATG CAAGCTGGTACCAGCAGAAGCCAGGCCAGGCCCTGTGTTGTCTCTACGGTAGAGACAACCGGCCCTCAGGGATCCCAGCCCCGATTCTCTG GCTCCACCTCAGGGAGCACAGCTTCTTACCATCACTGGGACTCAGGGCGGAGGATGAGGCTGACTATTTTTGTTGCTCCCGGGCCAGAAGTG GTGACCATTTGGATTTTCGGCGGAGGGACCAAGCTGACCCGCTAG
004	p132w8	IGLV	GAAATCCAGATGACCCAGTCTCCATCGTCCCTGTCTGCATCTGTTGGAGACAGAGTCAACATCACTTGTCCGGCAAGTGAGACTATTAGTAGATA TTTAAATTGGTATCAACAAAAACCAGGAAAAGCCCCCTGCCCTCCTGATCTACGATGCATCCGTTTTAGAAAAGTGGGGTCCCACCCAGGTTCAAGT GAAGTGGATCTGGGACAGATTTACCTTACCATTACCAGTCTCAACCTGAGGATCTGCAACTTACTACTGTCAAGAGAGTTCCACTAATTTTT GCATTTTTGCCAGGGGACCAAGGTGGAGATTAAC
004	p132w89	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCAACATCTTGTCTTGGAAAGCAGCTCCAACATCGGAAGT AATACTGTAAGCTGGTACCAGCAACTCCCAGGAACGGCCCCAAACTCCTCATCTACAGAGATAATCAGCGGCCCTCTGGGGTCCCTGACCGAT TCTTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAATGGACTCCAGTCTGAGGACGAGGCTGATTATTACTGTGGAGCACGGGATAA CAGCCTGATTGTGGTATTTCGGCGGAGGGACCAAGCTGACCCGCTAA
004	p132w9	IGLV	GACATCGTGCTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAAATGGCCACCATCAACTGCAAGTCCAGCCAGAGTCTTTTATACA GTTCCAACAATAAGAATACTTAGCTTGGTACCAGCAGAAGCCAGGACAGCCTCCTAAGTTGCTCATTACTGGGCATCTACCCGGAGTCTCTG GGTCCCTGACCGATTAGTGGCAGCGGGTCTGGGACAGATTTACTCTCACTATCAGCAGCCTGCAGGCTGCAGATGTGGCACTTTATTACTGT CACCAATATTATGATCCTCCCTTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAAC
004	p132w90	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCAACATCTCCTGCTCTGGAAGCAGCTCCAACATTGGCAATA ACTATGTATCCTGGTACCAGCAACTCCCAGGAACAGCCCCAAACTCCTCATCTATGAGAACAAATAAGCGACCCTCAGGGATCCCTGACCGATTT ACTGGCTCCAGGTCTGGCACGTACGCCACCCTGGGCATCGCCGACTCCAGACTGGGACGAGGCCGATTATTACTGCGGAACATGGGACAC CAGCCTGAGTGTGCTGCGTTATTTCGGCGGAGGGACCAAGCTGACCCGCTAG
004	p132w91	IGLV	CAGCCTGTACTGACTCAGCCACCTTCTGCATCAGCCTCCCTGGGAGCCTCGGTCACTCACCTGCACCCTGACCAGCGGCTACAGTAATTATA AAGTGGACTGGTACCAGCAGAGACCAGGGAAGGGCCCCGATTTGTGATGCGAGTGGGCACTGATGGGATTTGGGATCCAAGGGGGATGGC ATCCCTGATCGTTTCTCAGTCTTGGGCTCAGGCCTGAATCGGTATCTGACCACTAAGAAGCTCCAGGAAGAGGATGAGGGTGACTACCACTGTG GGCAGTCCATGGCAGTGGGAGCGACCTCGTGGAGTGTTCGGCGGAGGGACCAAGCTGACCCGCTAG
004	p132w92	IGLV	GACTTCGTGATGACCCAGTCTCCAGACTCCCTGGCAGTGTCTCTGGGCGAGAGGGCCACCATCAGCTGCAAGTCCAGCCAGAGTGTCTTATCC CGCTCCGACAGGAAGAATAATTTGGCTTGGTTCCAGCAGAACAGGACAGCCGCCTAAGTTGCTCATTCTGGGCATCTACCCGGGAACCCG GGGTCCCTGACCGATTAGTGGCAGCGGGTCTGGGACAGATTTCTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTG TCAGCAATATTACGGAATCCCATCACCTTCGGCGGAGGGACCAAGGTGGAGATCAAAAC
004	p132w93	IGLV	GAGATAGTGATGACGCAGTCGCCAGCCACCCTCTGTGTCTCCAGGGGAAAGAGTCAACTCTCCTGCAGGGCCAGTCAGGATGTTACTAATA ACTTAACTGGTACCAGCAGAAAACCTGGCCAGGCTCCAAGGCTCCTCATCTACGGTGCAGCCACCAGGGCCCCCTGGTGTCCCGGCCAGTTTCA GTGGCAGTGGGTTCCGGACAGAGTTCACTCTCACCATCGGCACCCCTGCAGTCTGAAGATGTTGCAGTTTATTACTGTGCAAGATGAAAACTG GCCTCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATGAAAC

004	p134w10	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTTGGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGGGCATTGCAAATG ATTTAGGCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAATTCACCTCTCAATCAGCAGCCTGCAGCCTGAAGATTTGCAACTTATTACTGTCTACAGCATAATTTTACC CCTCACTTTTGGCCCTGGGACCAAAGTGGATATCAAAC
004	p134w100	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGAGCATTAGCGGTC ATTTAAATTGGTATCAGCAGAGACCAGGGAAAGCCCCTAAGCTCCTCATCTATGCTGCATTCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAGC GGCAGTGGTCTTTGGACAGATTTCAATCTCACCATCAGTAGTCTGCAACCTGAAGATTTGCAACTTACTACTGTCAACAGACTTACAGTAGCCCT CCGTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
004	p134w106	IGLV	GACATCCAGATGACCCAGTCTCCTTCCCTCCCTGTCTGCATCTGTGCGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGACTATTGGTATCT GGTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGAACCTGATCTATAAGGCGTCTGGTTTGGAAAGTGGGGTCCCATTAAAGGTTTCAG CGGCAGTGGATCTGGGACAGAATTCACCTCTCACCATCAACAGCCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAGTATAATACTTTCC ATACACTTTTGGCCAGGGGACCAAGGTGGAGATCAAAC
004	p134w107	IGLV	GATATTGTGTTGACCCAGACTCCACTCTCCCTGTCCGTCACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCTTCGATA GTGATGATGGAAACACCTATTTAGACTGGTATCTGCAGAAGCCGGGGCAGTCTCCACAGCTCCTGATCTATGCACCTTTCTTTTGGGGCCTCTGGA GTCCCAGACAGTTTCAGTGGCAGTGGGTGAGAACTGATTTTCAACTGAAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGAGTTTATTACTGCA TGCAACGTTTGGAGTTCCCCGCGCTCACTTTTGGCGGAGGGACCAAGGTGGAGATCAAGC
004	p134w11	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTCACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCAAA GTAATGGATAACAATAATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATTTGGGATCTAATCGGGCCCCGGGGT CCCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAGAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATG CAAGCTCTACAAACTCCTCCGTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
004	p134w110	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGAGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCAGCAGTGTGTTGGGAATT ATAACCTTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAATCATGATTTATGAGGGCAGTAAGCGCCCTCAGGGGTCTCTAATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGCA GGCAGTAGCACTTATGTCTTCGGAAGTGGGACCAAGGTCACTCCCTAG
004	p134w111	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTCACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGATCTAGTCAGAGCCTCCTGCATA GTACTGGATAACAATAATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAACCTCCTGATCTATTTGGGTTCTAATCGGGCCTCCGGGGT CCCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAAAAATCAGCAGAGTGGAGGCTGAAGATGTTGGGGTCTATTACTGCATG CAAACCTCTACAAACTCCGGGATTCACTGTCCGGCCTGGGACCAAAGTTCGATATCAAAC
004	p134w113	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAACCAGCTCCAACATTGGCAATA ATTTAGTATCCTGGTACCACCAGCTCCCAGGAACAGCCCCAAACTCCTCATTATGACAATGATAAGCGACCCTCAGGGATTCTGACCGATTCT CTGGCTCCAAGTCTGGCACGTACGCCACCTGGGACTCACCGGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATAGC AGCCTGGGTGCTCCCCTGTTTCGGCGGAGGGACCAAGC
004	p134w115	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTCACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCATA GTAATGGATAACAATAATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAACCTCCTGATCTATTCGGGTTCTAATCGGGCCTCCGGGGT CCCTGACAGGTTTCAGTGGCAGTGCATCAGGCACACTTTTTTACACTGAAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGCGTTTATTACTGCATG CAATCTCTACAAAGTTTCACTTTTGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p134w117	IGLV	GAAATTGTGTTGACGCAGTCTCCAGTCAACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCG ACTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATTATGATTCTCCAACAGGGCCACTGGCATCCCAGACAGGTT CAGTGGTAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTAAAGATTTTGCAGTGTATTACTGTCAGCAGTATGGTA CACCTATGTGCAGTTTTTGGCCAGGGGACCAAGCTGGAGATCAATC
004	p134w124	IGLV	GAAATTGTGTTGACACAGTCTCCAGCCACCTTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCGGCT ACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATTATGATTCTCCAACAGGGCCACTGGCATCCCAGCCAGGTTTCAG TGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTAAAGATTTTGCAGTTTATTACTGTCAGTACCGTAGCGACTGGC CTCGAGCGCTCACTTTTGGCGGGGGTACCGAAGGTGGAGATCAA
004	p134w125	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTACCATCTCTTGTCTGGAAGCAACTCCAACATCGGGACT AATACTGTAAGCTGGTACCAGCAGTTCACAGGAACGGGCCCCAAACTCCTCATCTATAGCATTAAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCT
004	p134w128	IGLV	GACATCGTATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAAGTGAAGTCCAGCCAGAGTGTATTATG GGATCAACAGTAAGAATACTTAGCTTGGTACCAGCAGAAGCCAGGACAGCCTCCTAAGCTGCTCACTTACTGGGCATCCACCCGGGAATCCGG GGTCCCTGACCGATTTCAGTGGCAGTGGGTCTGGGACAGATTTCACTCTCACCATTAGCAGCCTGCAGGCTGAAGATGTGGCAGATTATTACTGT CAGCAATATTATAGTCTCCGTCCACTTTTGGCCAGGGGACCAAGGTGGAGATCAAAC

004	p134w131	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCAACATCTCTTGTCTTGGAAACCAGCTCCAACGTCGGAAGT AATAATGTGTTCTGGTACCAGCAGCTCCCTGGAACGGCCCCAAACTCCTCATCTCTAGAAGTGAAGAGCGGCCCTCTGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCCGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTATTACTGTGCAGCGTGGGATG ACAGCCTGACTGGTGTGGTTTTCGGCCGGAGGGACTAGGCTAGCCGCCCTAG
004	p134w132	IGLV	GAAATTGTGTTGACGCAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCGGGGCCAGTCAGAGTGTACCAGCA ACTACTTAGCCTGGTACCAGCAGAAACCTGGCCTGGCGCCAGGCTCCTCATCTTTGATGCGTCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTTCTGTGACAGTATGGTAG CTCACCGATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC
004	p134w135	IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCCGGGGGAAGAGCCACCCTCTCCTGCAGGGCCAGTGAGAGTGTGGGCAAC AGATTAGCCTGGTACCAACAGAAACCTGGCCAGACTCCCAGGCTCGTCATCTATGATGCATGGAAGAGGACCACTGCTTTCCAGCCAGATTCA CTGGCAGTGGGTCTGAGACAGAATTCACCTCACCATCAGCAGCCTGCAGTCCGAAGATTTGCGAGTTTATTCTGTACCAGTATGCTGACAGG CCTCCATGGACGTTTCGGCCAGGGGACCAAGGTGGAGATCAAGC
004	p134w136	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGCCGGGCAAGTCAGGACATTAGAGATG ATTTAGGCTGGTATCAGCAAAAACCGGGGAAAGCCCCAAGCGCCTGATCTATGCTGCATCCAGGTTACAAACTGGGGTCCCATCAAGGTTTCCAG CGGCAGTGGATCTGGGACAGATTTCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCTACAACATGATCCTAACTT TCCGGGGACGTTTCGGCCAAGGGACCAAGGTGGATGTCAAAC
004	p134w137	IGLV	GAAAATGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCTAGTTATCCTGTTATCAACAA CTATTTAGCCTGGTACCAGCAGAGGCTGGCCAGGCTCCAGGCTCCTCATCTTTGGTACATCCACCAGGGCCGCTGGCATCCCTGACAGGTTT AGTGGCAGTGGGTCTGGGACAGACTTCACTCTACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACAGTATGAAACCT CATCGTGGACGTTTCGGCCAGGGGACCACGGTGGAAATCAAAC
004	p134w142	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGAAAGAGTCAACATCACTTGCCGGGCAAGTCAGGCCATTAGAAATG ATTTAGGCTGGTATCAGCAGAAACCAGGGGAAAGCCCCAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCCAG CGGCAGTGGATCTGGGACAGAAATTCACCTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCTACAGCATAATAATTACC CCTCACTTTTCGGCCCTGGGACCAAGGTGGATCAAAC
004	p134w15	IGLV	TCTTCTGAGCTGACTCAGGAGCCTGCTGTGTCTGTGGCCCTGGGACAGACAGTCAAGATCACATGCCAAGGAGACAGCCTCAGAAGGTATGAT GCAAGTTGGTACCAGCAGAGGCCAGGACAGGCCCTGTAGTTGTATCCACGGAACAAACGGCCCTCAGGAATCCAGACCGATTCTCTGGC TCCACTTCAGGAAACACAGCCTCCTTGACCATCACTGGGTCTCAGGCGGAAGATGAGGCTGACTATTACTGAACTCCCGAGACAGGAACGGAA TCCATGCGATTTTCGGCGGAGGGACCAAGTTGACCGTCCCTAG
004	p134w19	IGLV	GACATCCAGATGACCCAGTCTCCATCCACCCTGTCTGCAAAATGTAGGAGACAGAGTCACTATCACTTGCCGGGCCAGTGAGATCACTAGTAATC GGTTGGCCTGGTATCAGCAGAAACCAGGGAAGGCCCTAAACTCATTATCTATCAGGCATCTTCTTTACCAAGTGTATGTTCCATCAAGATTCAAG GGCATTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCTACAGCCTGATGATTCTGCAACTTATTACTGCCAGCAGTATAGGGATTATTC TCCACTCTCTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p134w21	6 IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATTTCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGTAGAGCCCCAAACTCATTATTTGTGATGTCAGTAGTGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGCACTCATATACAA GCACGAACGGTCTCGAGAATTATGTCTTCGGAACCTGGGACCAAGGTACCCGTCCTAG
004	p134w22	IGLV	CAGCCTGTGCTGACTCAGCCACCCTCTGCATCAGCCTCCCTGGGAGCCTCGGTCACTCACTCACTGCACCCTGAGCAGCGGCTACAGTAATTATA AAGTGGACTGGTACCAACAGAGACCAGGGAAGGGCCCCGCTTTGTGATGCGAGTGGGCACTGGTGGGATTGTGGGATCCAAGGGGGATGGC ATCGCTGATCGCTTCTCAGTCTCGGGCTCAGGCCTGAATCGGAGCCTGACCATCAAGAACATCCAGGAAGAGGATGAGAGTACTACCACTGTG GGGCAGACCATGGCAGTGGGGAACAATTCGTGCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCTAA
004	p134w23	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATAAGGAACA CCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGATGCATCCAGCAGGGCCATTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGGAGACTGGAGCCTGAAGATTATGCAGTGTATTACTGTGACAGTATGGTAC TCACCGCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAG
004	p134w26	IGLV	GATATTGTGATGACTCAGTCTCCGCTCTCCCTGCCGTCAACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCATA GTAATGGATACTAATTTGGATTGGTACCTGCAGAAGCCCCGGCAGTCTCCACAACCTCTAATCTATTTGGCTTCTAATCGGGCCTCCGGGGT CCTGACAGGTTTCAAGTGGCAGTGGATCAGGCACAGATTTTCACTGAAAATCAGCAGAGTGGAGGCTGAAGATGTTGGCGTTTATTACTGCATGC AAGCTCTGCAAAAGTCTGCGACGTTTCGGCCAAGGGACCAAGGTGGAAATCAAAC
004	p134w27	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGTCAGAGTGTATTTATACA GTCCTCAACAATAAGAATTATTTAGCTTGGTACCAGGTGAAACCCAGGACAGCCTCCTAACTGCTCATTATTGGGCATCTACCCGGGAATCCGGG GTCCCTGACCGATTCAAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAACAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTG AGCAATACTATAGTACTCTCTTCAAGTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC

004	p134w30		<i>IGLV</i>	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCTGCAGGGCCAGTCAGAGTATTATCACTTA CTTAGCCTGGTACCAACAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGATGCATCCTACAGGGCCTCTGGCATCCCAGCCAGGTTTCAGT GGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTGTCAGCAGCGTAGCAACTGGC CTTGACATTTTGGCCAGGGGACCAAGTTGGAGATCAAAC
004	p134w31		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTAATT ATGACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTTTGAGGTGAGTAATCGGCCCTCGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTC
004	p134w33		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTAATT ATGACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTTTGAGGTGAGTAATCGGCCCTCGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCAGGCTGAGGACGAGGCTGATTATTATTGCACTCGTATACAA GCAGCAGCACTATCGTCTTCGGCGAGGGACCAAGGTGACCGTCTTAC
004	p134w34		<i>IGLV</i>	CAGTCTGTCTGACTCAGCCTGCCTCAGTGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGATGTTGGTGAAT ATAACTATGTCTCCTGGTACCAACAATACTCAGGCAAAGCCCCAAACTCATGATTTATGATGTCACTAGGCGACCCCTCAGGGGTTCCCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACGGAGGATGAGGCCGATTATTACTGCTGCTCATATGCAG GCACGTTGTCCCGTCTGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTTAA
004	p134w37		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGACAGACGGTCACCATCTCTTGTCTGGAAGTAACTCCAACATCGGAAGTT ATTATGTGACTGGTGCCAGCAATTCAGGAACGGCCCCACACTCCTCATAGGAATAATCAGCGGCCCTCAGGGGTTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGACTCCGGTCCGAGGATGAGGCTGAGTATTTCTGTGCAGCATGGGATGA CAGCCTGAGTGGTCCGGTCTTCGGGACTGGGACCAAGGTACCGTCTCTCG
004	p134w38		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATTTCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGTAGAGCCCCAAACTCATTATTTGTGATGTGAGTTCGGCCCTCAGGGATTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGCACTCATATACAA GCACGAACAGTCTCGAGAATTATGTCTTCGGAAGTGGGACCAAGGTACCGTCTCTAG
004	p134w46		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGTAGAGCCCCAAACTCATTATTTGTGATGTGAGTTCGGCCCTCAGGGATTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCTGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATGCAA GCAGTAGTACTCTGGTATTCGGCGGAGGGACCAAGGCTGTCCGTCCTAG
004	p134w47	10	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCTCTGGAACCAGCAGTGATGTTGGGGCTT ATAACCTTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTATGACGTCACTGAGCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTC
004	p134w48		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGTCAGAGTGTTTTATACA GCTCCAACAATAAGAATTTATTTAGCTTGGTACCAGGTGAAACCAGGACAGCCTCCTAAACTGCTCATTTTATTGGGCATCTACCCGGAATCCGGG GTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAACAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTC AGCAATACTATAGTACTCTCTTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p134w54		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGACAGAGGTCACCATCTCTTGTCTGGAAGCAACTCCAACATCAGAAGTA ATTCTGTACACTGGTACCAGCAGCTCCCAAGAACGGCCCCAAACTCCTCATATAGTAATTATCAGCGGCCCTCAGGGGTTCCCTGACCGGTT CTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGTGTCAGCATGGGATGAC AGCCTGAATGTTGGGTGTTTCGGCGGAGGGACCAAGGTGACCGTCTTAA
004	p134w55		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGTCAGAGTGTTTTATACA GCTCCAACAATAAGAATTTATTTAGCTTGGTACCAGGTGAAACCAGGACAGCCTCCTAAACTGCTCATTTTATTGGGCATCTACCCGGAATCCGGG GTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAACAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTC AGCAATACTATAGTACTCTCTTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p134w57	11	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTGGGGACAGAGTCACCATCACTTGCCAGGGCAGTCAGGGCATTAGCAATT ATTTAAATTTGGTATCAGCAAAAACAGGGAAAGCCCCAAAGTCTGATCTACGATGCATCAAATTTGAAACAGGAGTCCCATTGAGGTTTCAGT GGAAGTGGATCTGGGACAGATTTCACTTTCACTATCAGCAGCCTGCAGCCTGAGGACGTTGCAACATATTACTGTGTCAGCAGTATGAAAATCTCCC GCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p134w60		<i>IGLV</i>	GACATCCAGTTGACCCAGTCTCCATCCTTCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGGCCGGTCAGGGCATTAGCAGTT ATTTAGCCTGGTATCAGCAAAAACAGGGAAAGCCCCAAAGTCTGATCTATGCTGCATCCACTTTACAAAGTGGGGTCCCATCAAGGTTTCAGC GGCAGTGGATCCGGGACAGAATTCACCTCTCACAATCAGCAGGCTGCAGCCTGAAGATTTTGAACCTTATTACTGTCAACAGCTTAATACTTACCC TCAAACCTTTTGGCCAGGGACCAAGGTGGAGATCAAAC

004	p134w7	IGLV	GAAGTTGTGTTGACGCAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTGGCCCGC ACCTCCTTTTCTTGGTACCAACACCCGCCATGGCCAGGCTCCCAGGCTCCTCATCTATGGTGTGTCCAACACGGCCACTGGCGTCCCAGGCAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAACACACTGGAGCCTGAAGATTTTGGCGTTTATTACTGTACAGCCGTTTGATACT TCAGTGACGTTTCGGCCAAGGGACCAGGGTGGAGATGAAC
004	p134w8	IGLV	GAAATAGTGATGACGCAGTCTCCGCCACCCTGTCTGTCTCCAGGGGAAAGGCCACCCTCTCCTGCAGGGCCAGTGAGGATGTTAGTAATA AGTTAGCCTGGTACCAACAGAAACCTGGTCGGACTCCCAGGCTCGTCATGTATGATGCTTCCATCAGCGCCAATGATATCCCAGCCAGATTTCAG AGGCAGCGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATTTTGCAGTTTATTACTGTACCAATATAATGACTTGC CCCCATGGACGTTTCGGCCAAGGGACCAGGGTGGAAATCAAAC
004	p134w9	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCAGCAGTGACATTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTATGATGTCAATAATCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAAC CAGCAGCACTCTCGGACTCTTCGGAACCTGGGACCAAGGTACCCGTCCTAG
004	p134w90	IGLV	CAGTCTGCCCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCAGTGGAAAGCAGCAACGATGTTGGTCGTC ATAATTATGTCTCCTGGTATCGCCAACACCCAGGCAAAGCCCCGAAGTCATAATTTATAATGTCGATAAGCGGCCCCAGGGTCTCTGATCGTT TCTCTGGCGCCAAGTCTGGCAGTACGGCCTTCTGACAAATTTCTGGCCTCCAGGCTGAGGATGAGGTTGATTATCACTGCTGTTTCATATGTAGGC GGGTTACCTGGGTGTTTCGGCGGAGGGACCAAGATTACCGTCCTAG
004	p134w93	IGLV	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTGGGAGACAGAGTCAGCATCACTTGCAGGAGCAGTCAACTATTTATGACT GGTTGGCCTGGTATCAGCAGAAACAGGAAAGCCCCAAACTCTGATCTATAAGGCATCTAGTTTAGAAAAGTGGGGTCCCGTCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAATTCCTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAGTATAGAACTTATT GCAGCTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p135w107	IGLV	GACATCCAAATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCAGGAGCAGTCAAGTATTGGTAACT GGTTGGCCTGGTATCAGCAGAAACCTGGGAAAGCCCCAAAGTCTGATCTATAAGGCATTAGAAAAGTGTGGCCCCATCAAGTTTCAGCGCCAG TGGATCTGGGACAGAATTCCTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAGGTTATTATTGCCAACAGTATAGTAGTTATCCGTGGA CGTTTCGGCCAAGGGACCAAGGTGGAAATCAAAG
004	p135w111	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGGCTCTGGGCGAGAGGGCCACCCTCAGCTGCAAGTCCAGCCAGAGTATTTTATACA ACTCCAAACAATAAAGACTACTTGGCTTGGTACCAGCAGAAACAGGACAGCCTCCTAAGCTGCTCATTTCCTGGGCATCTACCCGAGAATCCGG GGTCCCTGACCGATTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTATGAAACTCCTCGAACGTTTCGGCCAAGGGACCAAGGTGGAAATCAAAC
004	p135w113	IGLV	CAGCCTGCGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTACCATCTCCTGCTCTGGAGCCAGCTCCAATATTGAAAT AATTATGTTTCTGGTACCAGCAGTCCCAGGAAGAGCCCCAAAGTCTCATTTATGCCACTAATCAGCGACCCCTCAGGGATTCCAGACCGATT CTCTGGCTCCAAGTCTGGCAGCTCAGCCTCCCTGGACTCAGCCGACTCAGCCGACTGAGAGCAGAGGCAATTTACTGCCAATCGTGGGATTTT AGCCTGAGAGCGATGGTTTTTCGGCGGAGGGACCAAGGTGACCGTCCTTA
004	p135w114	IGLV	CAGCCTGTGCTGAGTCAGCCACCTTCTGCATCAGCCTCCCTGGGAGCCTCGGTCACTCACCTGCACCCTGAGCAGCGGCTACGATAATTATA AAGTGGACTGGTACCAGCAGAGACCAGGGAAGGGCCCCCGTTTTGTGATGCGAGTGGGACTGGTGGGAGTGTGGGATCCAAGGGGGATGGC ATCCCTGATCGTTCTCAGTCTTGGGCTCAGGCCTGAATCGGTACCTGACCATCAAGAATCCAGGAAGAGGATGAGAGTGACTACCACTGTG GGGCAGACCATGGCAGTGGGAACAATTCGTTAGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
004	p135w118	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTTTTGTACA ACTCCTACAATAAGAATTTCTTAGCTTGGTACCAGCAGAAACAGGACAGCCTCCTAAGCTGCTCATTACTGGGCATCTACCCGGAATCCGGG GTCCCTGACCGATTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCGGCAGCCTGCAGGCTGAGGATGTGGCAGTTTATTACTGTG AACAAATTATAAATACTCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p135w12	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTTGGAGACAGAGTCACCATCACTTGCAGGCAAGTCAAGGCAATTGCAAATG ATTTAGGCTGGTATCAGCAGAAACAGGGAAGGCCCTAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAATTCCTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTACTGTCTACAGCATAATTTCTTA
004	p135w122	IGLV	GAAATTTGATGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGGCCACCCTCGCCTGCAGGGCCAGTCAGAGCGTGAATGCC AATTACATAGCCTGGTACCAGCAGAAACCTGGCCAGCCTCCCAGGCTCATCATCTCTGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGCGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTACAGCAGTATGGTCC CTACCCACTTTTCGGCCCTGGGACCAAAGTGCATATCAAAC
004	p135w125	IGLV	CAGCCTGTGCTGAGTCAGCCACCTTCTGCATCAGCCTCCCTGGGAGCCTCGGTCACTCACCTGCACCCTGAGCAGCGGCTACGATAATTATA AAGTGGACTGGTACCAGCAGAGACCAGGGAAGGGCCCCCGTTTTGTGATGCGAGTGGCCACTGGTGGGAGTATGGGATCCAAGGGGGATGGC ATCCCTGATCGTTCTCAGTCTTGGGCTCAGGCCTGAATCGTACGACCATCAAGAATCCAGGAAGAGGATGAGAGTGACTACCACTGTG GGGCAGACCATGGCAGCGGGAGCAACTTCGTTAGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCTAA



004	p135w126		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACGGTCCATCACCTTCTCCTGCACTGGAACCAGCAGTGACATTGGTGCTT ATAACTTTGTCTCCTGGTACCAACAGCACCCAGACGAAGCCCCAACACTCATCATTATGATGTCATTAATCGGCCCTCAGGGGTTTCTGATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGTTTATTATTGCAGTTCATACACAAG GAGTCATGTATATTTGGCGGAGGGACCAAGCTGACCGTCTCG
004	p135w128		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGTCAGAGTGTTTTATCCA CCTCCGACAATAAGAATACTTAGCTTGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTACTGGGCATCTATCCGGCAATATGGG GTCCCTGACCGATTAGTGGCAGCGGGTCTGGAACAGATTTACTCTCACCATCAGCCGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTC AGCAATATTATAGTAGTCCCCTGTACTTTTTGGCCAGGGGACCAAGCTGGAGATCAAAAC
004	p135w131		<i>IGLV</i>	GGAGTTGTGTTGACGCAGTCTCCAGACACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGGGTCTTAGAGGTA TTTACCTCGCCTGGTACCAGCAGAAGCCTGGCCAGGCTCCCAGGCTCCTCATCTATGGCGGATCCAGCAGGGCCACTGGCGTCCCAGATAGGT TCAGTGGCAGTGGGTCTGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTGCAGTCTATTACTGTCACCAGTATGGTGG CTCACCTCCGAACACTTTTGGCCAGGGGACCAACCTGGAGATGAAAC
004	p135w15		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTGGGGACAGAGTCAACATCACTTGCCAGGCGAGTCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACCAGGGAAAGCCCCTAAAGTCTGATCTACGATGCATCCAATTTGAAACAGGAGTCCCATTGAGGTTCACT GGAAGTGGATCTGGGACAGATTTCACTTTCACTATCAGCAGCCTGCAGCCTGAGGACGTTGCAACATATTACTGTCAGCAGTATGAAAATCTCCC GCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAAC
004	p135w19		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGCCAGGCGAGTCAGGGCATTAGCGGCT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAAGTCTGATCTACGATGCATCCAATTTGGAAGCGGGGGTCCCATTAAAGTTCACT GGAAGTGGATCTGGCACAGATTTACTTTAACCATCAGCAGCCTGCAGCCTGAAGATATTGCAACATATTCTGTCAACAATATGAGAATCTCCCG GTCACCTTTCCGGCCCTGGGACCAAAAGTGGATATCAAAAC
004	p135w20		<i>IGLV</i>	GATATTGTCATGACTCAGTCTCCACTCTCCCTGCCCGTCAACCTCGGAGAGCCGGCCTCAATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCAAA GTAACGGATTCAACTATTTGGAGTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATGTGGGATTTAAACGGGCCCTCCGGGGT CCCTGACAGTTCACTGGCAGCGGATCAGGCACAGATTTTACACTGAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGTTTTATTACTGCATG CAAAGTCTACAACCTTGGACGTTCCGGCCAAGGGACCAAGGTGGAATCAAAAC
004	p135w22		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTGGGGACAGAGTCAACATCACTTGCCAGGCGAGTCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACCAGGGAAAGCCCCTAAAGTCTGATCTACGATGCATCCAATTTGGAACAGGAGTCCCATTGAGGTTCACT GGAAGTGGATCTGGGACAGATTTCACTTTCACTATCAGCAGCTTGCAGCCTGAGGACGTTGCAACATATTACTGTCAGCAGTATGAGAATCTCCC GCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAAC
004	p135w23	26	<i>IGLV</i>	CTGACTCAGCCACCCTCTGCATCAGCCTCCCTGGGAGCCTCGTGCACACTCACCTGCACCCTGAACAGCGGGTACAGTAATTATAAAGTGGACT GGTACCAACAGCGACAGGGCAGGGCCCGCTTTGTGATGCCAGTGGGCACTGGTGGGATTGTGGGATCCAAGGGGAGTGGCATCGCTGAT CGTTCTCAGTCTCGGGCTCAGCCCTGAATCGGAGCCTGACCATCGACAACATCCGGGAAGAGGATGAGAGTACTACCCTGTGGGGCAGAC CATGGCAGTGGGGACAACCTTCGTGCGGGTGTTCGGCGGAGGGACCAAGGTGACCGTACTAG
004	p135w26		<i>IGLV</i>	TCCTATGAGCTGGCTCAGCCACCCTCAGTGTCCGTGTCCCCGGGACAGGCAGCCAGCATCAGCTGCTCTGGAGACAGATTGCAATATAAATCTG TTTGCTGGTATCAACAGAGGCCAGGCCAGTCCCCTGTACTGCTCATCTATGAAGACTTTAAGCGGCCCTTAGGGATCCCTGAGCGATTCTCTGC CTACAATTTTGGGAACACAGCCACTCTGACCATCAGCGGGACCCACACTATGGATGAGGCTGACTATTACTGTCAGGCGTGGGACAGTAGCGGT CTAGTGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
004	p135w27	9	<i>IGLV</i>	CAGCCTGTGCTGACTCAGCCACCCTCTGCATCAGCCTCCCTGGGAGCCTCGGTCACTCACCTGCACCCTGAGCAGCGGCTACAGTAATTATA AAGTGGACTGGTACCAACAGAGACCAGGGAAGGGCCCGCTTTGTGATGCGAGTGGGCACTGGTGGGATTGTGGGATCCAAGGGGGATGGC ATCGCTGATCGTTCTCAGTCTCGGGCTCAGGCCTGAATCGGAGCCTGACCATCAAGAACATCCAGGAAGAGGATGAGAGTACTACCCTGTG GGGCAGACCATGGCAGTGGGGACAACCTTCGTGCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCTAA
004	p135w28		<i>IGLV</i>	CAGTCTGTGCTGACTCAACCACCCTCAGCGTCTGGGACCCCGGGCAGTGGGTGAGCATCTCTTGTCTGGAAGCAGCTCCAACATCGGAAGTA ATACTGTAAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATCTATAGTAGTAATCAGCGGCCCTCAGGGGTCCCTGACCGATT CTCTGCCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGCCTCCAGTCTGAGGATGAGGCTGATTATTACTGTCAGCATGGGATGAC AAGTTGAATGGTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCTCTAA
004	p135w31		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAACCAGCAGTGACATTGGTAATT ATGACTATGCTCCTGGTACCAACAACACCAGGCAAAAGCCCCAACATCATGATTTTTGAGGTCAGTAATCGGCCCTCGGGGTTTTCTAGTCGCTT CTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGGTCATATTCAACC ACCGACTCCCGTGATATTCGGCGGAGGGACCAAGCTGACCGTCTCTGG
004	p135w34		<i>IGLV</i>	CAGTCTGTACTGACTCAGCCGCCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCAACATCTCTTGTCTGGAAGCAGCTCCAACATCGGAGCA AATACTGTAAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCTATAGTAATTATCAGCGGCCCTCGGGGGTCCCTGACCGAT TCTGTCTCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGGTATTATTACTGTCAGCATGGGATGA CAGCCTGAATGGTGTGGTATTCCGGCGGAGGGACCAAGCTGACCGTCTCTAG

004	p135w36		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCGCCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTACCATCTCTTGTCTGGAAGCAGCTCCAACATCGGAGCA CATACTGTAAACTGGTACCAGCAACTCCCAGGAACGGCCCCAAGCTCCTCATCTATAGTAATAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGTCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGGTGCTTATTACTGTGCAGCATGGGATGA CAGCCTCAATGGTGTGCTATTGCGCGGAGGGACCAAGCTGATCGTCTAG
004	p135w38		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCAAGCCAGGGCATTAGAATG ATTTAGGCTGGTATCAGCAGAAAACAGGGAAAGCCCCAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTACG CGGCAGTGGATCTGGGACAGAATTCATCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTACTGTCTACAACATAATAGTTACCC CCTCACTTCGGCCTGGGCAGCCGAAGTGGATGTCAAAC
004	p135w46		<i>IGLV</i>	TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGGACAGACAGTCCAGGATCACATGCCAAGGAGACAGTCTCAGAAGTTATTATG CAAGCTGGTACCAGCAGAAGCCAGGACAGGCCCTGTACTTGTGCATCTATGGTAAAAACAGCCGGCCCTCAGGGATCCCAGACCGATTCTCTGG CTCCAGCTCAGGAAACACAGTTCCTTGACCATCACTGGGGCTCAGGCGGAAGATGAGGCTGACTATTACTGTAAGTCCCAGGGCTGGCAGTGG TAACCTTGGTAACCATGTGGTTTTGCGCGGAGGGACCAAGCTGACCGTCTAG
004	p135w47		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACGGTCCATCACCTTCTCCTGCACTGGAACCAGCAGTGCATTGGTGCTT ATAACTTTGTCTCCTGGTACCAACAGCACCCAGACGAAGCCCCAACATCATTTTTATGATGTCAATTAATCGGCCCTCAGGGGTTTTCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGGCTGTTTATTATTGCAGTTCATACAA GGAGTCATGTCAATTTGGCGGAGGGACCAAGCTGACCGTCTCG
004	p135w48		<i>IGLV</i>	GGAATTGTGTTGACGCAGTCTCCAGGCACGCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCCAGAGTGTGACAGC ACCTATTAGCCTGGTATCAGCAAAAACCTGGCCAGGCTCCAGACTCCTCATCTATGGTCCGTCACCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTCTGCAGTGTATTACTGTGAGCACTATGATAG GTCACCTATGTTCACTTTTGGCCAGGGGACCAAGCTGGAGATCGAAC
004	p135w52		<i>IGLV</i>	GACATTGTGATGACTCAGTCTCCACTGTCCCTGCCGTACCCCTGGAGAGCCGGCCTCCATTTCTCCTGCAGGTCTAGTCAGAGCCTCCTACAGA GTAATGGAAAGAACTATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCCATTTGGGTTCTGATCGGGCCTCCGGGGT CCCTGACAGTTTCAAGTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTAGAGGCTGAGGATGTTGGGGTTTATTACTGCATG CAAGCTTACAAAACCTCCGTACACCTTGGCCAAAGGGCACACAGCTGGAGATCAAA
004	p135w55	8	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTAGGGACAGAGTACCATCACTTGCCAGGCGAGTCCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCCAAGTCCCTGATCTACGATGCATCCAATTTGGAAACAGGGGTCCCCTGAGGTTTCAAGT GGAAGTGGATCTGGGACAGATTTCACTTTACCATCAGCAGCCTGCAGCCTGAAGACGTTGCAACATATTATTGTCAGCAGTATGAAAATCTCCC GCTCACTTTGCGCGGAGGGACCAAGGTGGAGATCAAAC
004	p135w58		<i>IGLV</i>	GAGGTTGTTTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCGGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCCAGTGTGCCAGC ACCTACTTAGCCTGGTACCAGCAGAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGGTTCCACCAGGGCCACTGGCATCCCAGACAGGT TCAGTGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGAGCACTATGGAAGT TCACGGACGTTTGGCCAAAGGGACCAAGGTGGAGATCAAAC
004	p135w60		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCTTCATTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCGAGTCCAGGGCATTAGCAATG ATTTAGCCTGGTTTACAGCAGAGACCAGGGAAAGCCCCAAGTCCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCGAAGTTTACG CGGCAGTAGATATGGGACAGATTTCACTCTCACCATCAGCAACCTGCAGCCTGAAGATTTTGAACCTTATTATTGCCAACAGTATTATAATTTCCC GTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p135w7		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCGAGTCCAGGGCATTAGCAATG GGTTGGCCTGGTATCAGCAGAAAACAGGGAAAGCCCCAAGTCCCTGATCTATAGGACATCTACTTTAGAAGGTTGGTTCCATCAACATTCAGC GGCAGTGGATCTGGGACAGAAATTCATCTCACCATCAGCCGCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAGTATACTAGTTATCC ATATACGTTTGGCCAAAGGGACCAAGGTGGAAATCAAAC
004	p135w72		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCTTCATTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCGAGTCCAGGGCATTAGCAATG ATTTAGCCTGGTTTACAGCAGAGACCAGGGAAAGCCCCAAGTCCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCGAAGTTTACG CGGCAGTAGATATGGGACAGATTTCACTCTCACCATCAGCAACCTGCAGCCTGAAGATTTTGAACCTTATTATTGTCAACAGTATTATAATTTCCC GTACACTTCGGCCAGGGACCAAGCTGGAGATCAAAC
004	p135w8		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCCGGGTCTCCTGGACAGTCCGATCACCATCTCCTGCACTGGAGCCAACACTGACGTTGGTTATT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAGTCCCTGATCTATAGGACATCTACTTTAGAAGGTTGGTTCCATCAACATTCAGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGGCTGATTATTATTGCAGCTCATATACAA CCAGTGACTCTCTCGTATATTGCGCGGAGGGACCAAGCTGACCGTCTAG
004	p135w9		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGTGTCCGGGTCTCCTGGACAGTCCGATCACCATCTCCTGCTCTGGAACCAGCAATGATGTTGGTGGTT ATACCTATGTCTCCTGGTACCAACATTTCCCGGGCAAAGTCCCACAAAGTATCCTTTACGATGTCTATCAGCGGCCGTCCGGGGTCCCTGATCG GTTCTCTGGCTCCACATCAGGCAACACGGCCTCCCTGACCATCTGCACTCCGCATTGAGGATGAGGCTGATTATTATTGTTGCTCATATGCGG GCAGTTCCAAGTGGGTCTTCCGGCGGAGGGACCAAGCTGACCGTCTCA

004	p135w90	IGLV	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGACGTGTCACCAGT AGTCATTATTGTTACTGGTTGCAGCAGAGGTCTGGCCAAGCCCCGGACGCTGATTTATGATACAAGTAACAAGAACCCTGGACACCTGCCCG GTTTTTCAGGCTCCCTCCTTGGGGACAAAGCTGCCCTGACTCTTCCAGGTGCGCAGCCTGAAGATGAGGCTGACTATTATTGCCTGCTCTCCTAT GCTGGTCTCGCGGTGTTTCGGGTGCTTTCGGCGGAGGGACCAAGGTGAGATCAAAAC
004	p135w91	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTAGGGACAGAGTCACCATCACTTGCCAGGCGAGTCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCCCTAAAGTCTGATCTACGATGCATCCAATTTGGAAACAGGAGTCCCAATTGAGGTTCAAGT GGAAGTGGATCTGGGACAGATTTCACTTTACCATCAGCAGCCTGCAGCCTGAAGACGTTGCAACATATTACTGTCAGCAGTATGAAAATCTCCC GCTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAAC
004	p135w92	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCAGGCGAGTCAGGGCATTAGCGGCT ATTTAAATTGGTATCAGCAGAAAACAGGGAAAGCCCCCTAAGTCTGATCTACGATGCATCCAATTTG
004	p135w93	IGLV	CAGCCTGTACTGACTCAGCCACCTTCTGCATCAGCCTCCCTGGGACCTCGGTACACTCACCTGCACCCTGAGCAGCGGCTACAGTAATTATA AAGTAGACTGGTACCAGCAGAGACCAGGGAAAGGGCCCCGCTTTGTGATGCGAGTGGCACTGGTGGGATTGTGGGATCCAAAGGGGATGGCA TCCCTGATCGTCTCAGTCTTGGGCTCAGGCCTGAATCGCTACCTGACCATCAAGGACATCCAGGAAGAGGATGAGAGTACTACCACTGTGG GGCAGACCATGGCAGTGGGAGCAATTTCTGTAGGGGTGTTTCGGCGCAGGGACCAAACTGACCGTCCTAA
004	p136w10	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTACCATCCCTTGTCTTGAAGCACCTCCAACATCGGAAGT AATAGTGTAAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATCTATAGTAATAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTGCAGTCTGAGGATGAGGCTGACTATTATTGTGCAGCATGGGATGA CAGATTGAATGGTGTGGCCTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
004	p136w101	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCTCTGGAACCAGCAGTATGTTGGGGCTT ATAACCTTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTATGACGTCAGTACTGAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGACTGAGGACGAGGCTGCTTATTACTGCTGCTCATTGCGAG GTCTTAGCAATGTGCTATTTCGGCGGAGGGACGAAGGTGACCGTCCTAG
004	p136w106	IGLV	CAGTCTGCCCTGGCTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCGACAGCGACATTGGTGCTA ATAACTATGTCTCCTGGTATCAACACCACCCAGGCAAAGCCCCAAAGTCAATGATTTATGAAGTCAATAATCGGCCCTCAGGGGCTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGACTGAGGACGAGGCTGATTATTACTGCTGCTCATATGCGAG
004	p136w107	IGLV	GACATCCAGATGGCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCCAGTCAGAGTATTAGTGTCT GGTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCCTATACTCCTGATCTATGAGGCGTCCAGTTTAGAAACTGGGGTCCCATCAAGGTTTCCAG CGGCAGTGGATCTGGGACAGAATTCCTCCTACCATCAGCAGCCTGCAGCCTGATGATTTTGCACCTTATTACTGCCAACAGTATAATAGTTATC CGTGGACGTTTCGGCCAAGGGACCAAGGTGGAAATCGAAC
004	p136w108	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGAGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCGACAGTATGTTGGGAGTT ATAACCTTGTCTCCTGGTATCAACATCACCAGGCAAAGCCCCAAACTCATTTATGAGGTCACCTAAGCGGCCCTCAGGGATTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGCGAG ATAGTGACACTTTTGTGGTATTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
004	p136w111	IGLV	AGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTGGCACCTACTTAGCCTGGTACCAACAAAAAACCCTGGCCAGGCTCCCAGGCTCCT CGTCTATGATGCATCCAACAGGGCCACTGGCATCCCAGCCAGGTTTCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTA GAGCCTGAAGATTCTGCAGTTTATTACTGTCAGCAGCGTGACAACCTGGCTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAGAC
004	p136w110	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATTTCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAGGCCCCAAACTCATTATTTGTGATGTCAGTAGTCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGCGGCTCATATACAA GCACTAACTCTCTCGAGAATTATGTCTTCGGAACCTGGGACCAAGGTACCGTCCTAG
004	p136w111	IGLV	CCAGGACATTAGCAATCATTTAAATTGGTATCAGCAGAAAACAGGGAAAGTCCCTAAGCTCCTGATCTACGATGTTTTCAATTTGGAAACGGGGG TCCCATCAAGGTTCAAGTGGAAAGTGGATCTGGGACAGACTTTAGTTTACCATCAGCAGCCTGCAGCCTGAAGATATTGCGACATATTACTGTCAG CAATATGATAATCTCCCTCCGACTTTCGGCGGAGGGACCAAGGTAGAGTTCAAAAC
004	p136w113	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTAGGGACAGAGTCACCATCACTTGCCAGGCGAGTCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCCCTAAAGTCTGATCTACGATGCATCCAATTTGGAAACAGGGGTCCCACTGAGGTTCAAGT GGAAGTGGATCTGGGACAGATTTCACTTTACCATCAGCAGCCTGCAGCCTGAAGACGTTGCAACATATTATTGTGTCAGCAGTATGAAAATCTCCC GCTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAAC
004	p136w119	IGLV	CGCCACCCTCTCCTGCAGGGCCAGTCAGGGTATTAGCAGCAGCTCCTTAGCCTGGTACCAGCAGAAAACCTGGCCAGGCTCCCAGGCTCCTCAT CTATCGGCATCTAGTAGGGCCACTGGCTTCCCAGACAGTTTCAAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCCTCAGCAGACTGGA GCCTGAAGATTTTGCAGTTTATCACTGTCAACACTATGGTGGCCACCCACCACCTTCGGCCAAGGGACACGCCTGGAGATTAACAC

004	p136w124	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCGGGCGAGAGGGTCACCATCTCCTGCACTGGGTTGAGCTCCAACCTTCGGGGC AGATTATGATGTACTACTGGTACCAGCAACTTCCAGGAACAGCCCCAAACTGCTCATCTATGTTAAACAACAATCGGCCCTCAGGGGTCCCTGACC GATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGACTGAGGATGAGGCTGATTATTACTGCCAGTCCTATGA CAGGAGACTGAGTGTCTGGTCTTCGGCGGAGGGACCAAGCTACCGTCCCTAG
004	p136w126	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTTGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGGGCATTGCAAATG ATTTAGGCTGGTATCAGCAGAAAACAGGGAAAGCCCCAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTGAG CGGCAGTGGATCTGGGACAGAATTCCTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCTACAGCATAATTCTTACCC CCTCACTTTCGGCCCTGGGACCAAAGTGATATCAAAC
004	p136w128	IGLV	GAAGTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGACTATTGACACCA ACTACTTAGCCTGGTACCAGCACAAGCCTGGCCAGCCTCCCAAATTCCTCATCTATAGAATCCAGCAGGGCCACTGGCATCGCAGACAGGTT CAGCGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAACAGACTGGAGCCTGAAGATTTTGCAAGTGTATTATTGTCAGCACTATGGTAGC GTGTGGACGTTTCGGCCAGGGGACCAAGGTGGAATCAAAC
004	p136w131	IGLV	CAGTCTGTGCTGATTACGCTCCCTCAGCGTCTGGGACACCCGGGCGAGAGGATCACCATCTCTTGTCTGGAAGTAGGTCCAACATCGGATTTT ATTCTGTAAGTTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATCTATAGTAATCATCAGAGGCCCTCAGGGGTCCCTGACCGATT CTCTGGCTCCAAGTCTGGCACCTCCACCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTATTGTCAGCATGGGAAGAC AGCCTGCATGGTTGGGTGTTTCGGCGGAGGGACCAAGGTGACCGTCCCTAG
004	p136w132	IGLV	CAGTCTGTCTGACTCAGCCTCGCTCAGTGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGTGTTGGTGAAT ATAACTATGTCTCCTGGTACCAACAATACTCAGGCAAGCCCCAAACTCATGTTTATGATGTCAGTGGCAGCCCTCAGGGGTCCCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACGGAGGATGAGGCCGATTATTACTGCTGCTCATATGCAG GCACGTTGTCGGTCTGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCCTAA
004	p136w133	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTGGGGACAGAGTCACCATCACTTGCCAGGGCAGTCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACAGGGAAAGCCCCAAGTCTGATCTACGATGCATCCAATTTGAAACAGGAGTCCCATGAGGTTGAGTTCAGT GGAAGTGGATCTGGGACAGATTTCACTTTCACTATCAGCAGCCTGCAGCCTGAGGACGTTGCAACATATTACTGTCAGCAGTATGAAAATCTCCC GCTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p136w135	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGCAATA ATTATGTATCCTGGTACCACCAGCTCCCAGGAACAGCCCCAAACTCCTCATTTATGACAATAAAGCGACCCTCAGGGATTCTGACCGATTTC TCTGGCTCCAAGTCTGGCACGTACGCCACCCTGGGCATCACCGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATAGC AGCCTGGGTGCTCCCCTGTTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
004	p136w136	IGLV	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCCAGTCAGAGTATTAGTTGGT GGTTGGCCTGGCATCAGCAGAAAACAGGGAAAGCCCCAAACTCCTGATCTATGAGGCGTCTAGTTTACAAAGTGGGGTCCCATCAAGGTTGAG CGGCAGTGGATCTGGGACAGAATTCCTCTCACCATCAGCAGCCTGCAGCCTGACGATTTTGCAACTTATTACTGCCAACAGTATAATAGTTATT CTCCCTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
004	p136w137	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTCACCATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGC AGGTTATGATGTACTACTGGTACCAGCAGATTCCAGGAACAGCCCCAAACTCCTCATCTATGAAAACAACAATCGGCCCTCAGGGGTCCCTGAC CGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCCCTATG ACAGCAGCCTGACCCCGGGGTGTTTCGGCGGAGGGACCAAACTGACCGTCCCTAG
004	p136w142	IGLV	AATGTTGTGTTGACGCAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGCAACAGCCACCCTCTCCTGCGAGGGCCAGTCAGACCATTGGCAATA AGTTCTTAGCCTGGTACCAACAGAGGCTGGCCTGGCGCCCCAAACTCCTCATCTCCGATACGTCATCAGGGCCACTGACATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCACCAGCCTGGAGCCTGAAGATTTTGCGGTCTACTATTGTCACCACTATGGCGAC TCACCTCGGACGTTTCGGCCAGGCACCAGGGTGGATGTCAAAC
004	p136w19	IGLV	CCCTATGTGCTGACTCAGGCACCCTCGGTGTCAGTGGCCCCAGGACAGACGGCCAGGATTACCTGTGGGGGAAACAACATTGGAGGTAAGGT GTGCACTGGTACCAGCAGAAGCCAGGCCAGGCCCTGTGCTGGTTCGTCATGATGATAGCGACCAGGCCCTCAGGGATCCCTGAGCGATTCTCT GGCTCCAGCTCTGGGAACACGGCCACCCTGACCATCAGCAGGGTTCGAAGCCGGGGATGAGGCCGACTATTACTGTCAGGTGTGGGATACTTAT ACTGATCATCCAGGGGTCTTCGGAAGTGGGACCAAGGTGACCGTCCCTAG
004	p136w21	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCACCAGTGTGTTGGGAATT ATAACCTTGTCTCCTGGTACCAACAACAACCAGGCAACGCCCCAACTCATGTTTATGACGTCATAAGCGGCCCTCAGGGGTTTCTAATCGCTT CTCTGGCTCCAAGTCTGGCACACGGCCTCCCTGACGATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGCAGGT GGTAGTACTTATGTCTTCGGAAGTGGGACCAAGGTACCGTCCCTAG
004	p136w26	IGLV	GACATCCAGATGACCCAGTCTCCATCTTCACTGTCTGCATCTGTGGGAGACAGAGTCACCATCACTTGTTCGGGCGAGTCAGGATATAAGTAGAA GATTAGCCTGGTATCAGCAGAAAGCCACAAAAGCCCCAAGTCCCTGATCTATGCTGCATCCAATTTGCAGAGTGGAGTCCCATCACGGTTGAG CGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTACTGCCTGAGGACTCTGCAACTTATTACTGCCAACAAATATGAAAATTATC CCTCACTTTCGGGGG

004	p136w27	7	IGLV	CAATCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTCGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTATGAGGTACAGTAAGCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGCCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCAGCTCATATGAA GTACCAACCGCGTGGTATTTCGGCGGAGGGACCAAGCTGACCTGCTGG
004	p136w28		IGLV	GAAATTGTGATGACTCAGTCTCCGCTCGCCCTGCCGTCAACCCTGGAGAGCCGGCCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCATG ATAATGGATTCAACTATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAACCTCTGATCTATTTGGGTTCTATTCCGGCCTCCGGGGT CCTGACAGGTTCAAGTGGCAGTGGATCAGGCACAGATTTTACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGTTTATTACTGCATGC AACCTTACAAATCTCGTGGACGTTCCGGCAAGGGACCAAGGTGAAAATCAAAC
004	p136w30		IGLV	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCAGTT ACTTAGACTGGTACCAACAGAAACCTGGCCAGGCTCCAGACTCGTATCTATAATACATCCAGGAGGGCCGCTGGCATCCCAGCCAGGTTTCCAG TGGCAGTGGGTCTGCGACAGACTTCACTCTCACCATCAACAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTACAGCAGCTGGCAGCTGG CCTCGGACTTTTGGCCAGGGGACCAAGCTGGAGCTCAAAC
004	p136w32		IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTTTTATTCA CCTCCAACAATAAGAATACTTACTTGGTACCAGCTAAAACCAGGGCGGCCTCCTAAGCTGCTCATTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTATTTACTCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p136w33		IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTAGGGGACAGAGTCACCATCACTTCCAGGGCAGTCAGGGCATTAGCAATT ATTTAAATTGGTATCAGCAAAAACAGGAAAGCCCCTAAGCTGATCTACGATGCATCCAATTTGAAAACAGGGGTCCCCTGAGGTTTCCAGT GGAAGTGGATCTGGGACAGATTTCACTTTTACCATCAGCAGCCTGCAGCCTGAAGACGTTGCAACATATTATTGTACAGCAGTATGAAAATCTCCC GCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p136w34		IGLV	GATATTGTGATGACCCAGACTCCACTCTCCTCACCTGTCACCCTCGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCCCGTACACA GTGATGGAACACCTACTTTGAGTTGGCTTACAGCAGAGGCCAGGCCAGCCTCCAAGACTCCTAATTTATAAGATTTTCTAACCAGTTTCTCTGGGGT CCAGACAGATTCAGTGGCAGTGGGGCAGGGACAGATTTCACTGAAAATCAGCAGGGTGAAGCTGAGGATGTCGGGGTTTATTACTGCATG CAAATTCACAATTTCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p136w36		IGLV	GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATTTGTAGGAGACAGAGTCACCATCACTTGTCCGGGCGAGTCAGGACATTAACAATTA TTTAGCCTGGTTTACAGCAGAAAACAGGAAAGCCCCTAAGTCCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCCAGC GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGCCAACACTATAATAGTTACCC ATTCATTTCCGGCCCTGGGACCAAAAGTGGACATCAAAC
004	p136w46		IGLV	GACATCCAGTTGACCCAGTCTCCATCCTTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTCCCGGGCCAGTCAGGGCATTAGTAGTTA TTTAGGCTGGTATCAGCAAAAACAGGAAAGCCCCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTTCCAGC GGCACTGGATCTGGGACAGAATTCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCAACAGCTTAATAGTTACCC CTCACTTTCCGGCGGAGGGACCAAGGTTGAGATCAAGC
004	p136w48		IGLV	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTCCCGGGCCAGTCAGGGTATTAGTACGT GGTTGGCCTGGTATCAGCAGAAAACAGGAAAGCCCCTAAGCTCCTGATCTATAAGGCGTCCAGTTTAGAAAAGTGGAGTCCCATCAAGGTTTCCAG CGCCAGCTGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTCTGCAACTTATTACTGCCAACAGTATAATAGTTATC CGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p136w51		IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCAGCCTCTCCTGCAGGACCAGTCAGAGTATTAGCAGCG GCTACTTAGCCTGGTACCAGCAGAAAACGTGGCCAGGCTCCCAGGCCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCGGCGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTACAGCAGTTTGGCTGG CTTACCTTGGACGTTCCGGCAAGGGACCAAGGTGAAAATCAAAC
004	p136w52		IGLV	GAAGTTGTGTTGACGCAGTCTCCAGACACCCTGTCTTTGTCTCCAGGGGAAAGCGCCACCCTCTCTTGCAGGGCCAGTCACAGTATTAGCAGCA GTTTATTAGCCTGGTACCAGCAAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTACATTCCGGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCACTGGGCTGGGACAGACTTCACTCTCACAATTAGGAGACTGGAGCCTGAAGATTTTCCCGTGTATTACTGTACAGCACTATGGGAGG TCATCCTTGTGCAGTTTGGCCAGGGGACCAGCTGGATGTCAAAC
004	p136w54		IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTGGAGACAGAGTCACCATCACTTCCCGGGCAAGTCAGGGCATTGCAAATG ATTTAGGCTGGTATCAGCAGAAAACAGGAAAGCCCCTAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAAGTGGGGTCCCATCAAGGTTTCCAG CGGCAGTGGATCTGGGACAGAATTCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCTACAGCATAATTCTTACCC CCTCACTTTCCGGCCCTGGGACCAAAAGTGGATATCAAAC
004	p136w55		IGLV	GACATCCAGGTGACCCAGTCTCCATCTGCCATGTCTGCATCTGTAGGAGACACTGTCACCATCACTTGTCCGGGCGAGTCATTACATTAACATTCA TTTAGCCTGGTTTACAGCAGAAAACAGGAAAGCCCCTAAGCGCCTGATCTATGCTGCATCCACTTTGCAAATTTGGGGTCCCATCAAGGTTTCCAGC GGCAGTGGATCTGGGACAGAATTCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCTACAACATTACACTTACCC GTACAGTTTGGCCAGGGGACCAAGCTGGAGATCAAAC

004	p136w58	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGGGCATTAGAAATG ATTTAGGCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAAATTCATCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCTACAGCATAATAGTTACC CCTCTTTCCGGCCTGGAACCAAAGTGGATATCAAAC
004	p136w60	IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCGTGTGTGTCTCCAGGGGAAAGAGCCACCTCTCCTGCAGGGCCAGTCAGAGGATTGGCAGC AGCCTAGCCTGGTACCAGCACAAACCTGGCCAGGCTCCCAGTCTCCTCATCTATGGTGCAACCACCAGGGCCACTGGAATCCCAGGTTTC AGTGGCAGTGGGTCTGGGGCAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGAGTCTATTACTGTCTCAGCAGTATCAGATCTG GCCACGGACGTTCCGGCCAAGGGACCAGGGTGGAAATCAGAC
004	p136w7	IGLV	GACATCCAGATGACGCAGTCTCAACTTCTGTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTCGGGCGAGTCAGCGTATTAACAGTTG GTTAGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCTCCTGATCTATGCTGCATCCGCTTTGCAAAGTGGGGTCCCATCACGGCTCAGC GGCAGTGGATCAGGGACAGATTTCACTCTCACTATCAGCAGCCTGGAGCCTGAAGATTTTGCAACTTACTATTGTCAACAGGGTAACAGTTTTCC GATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC
004	p136w8	IGLV	TGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCAGTGGAAACCAGCAGTGACGTTGGTACTTATAACTATGTCTCCTGGTACC AACAGCACCCAGGCAAAGCCCCAACGTATAATTTATGAGGTCAGTAATCGGCCCTCAGGGATTTCTAATCGTTTCTCTGGCTCCAAGTCTGGC AACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATAACCAGCAGCACTCTCGTGCTAT TTGGCGGAGGGACCAAGCTGACCGTCCCTAG
004	p136w90	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCAGGGCAGTCAGGGCATTAGCGGCT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAACTCCTGATCTACGATGCATCCAACCTTGAAGCAGGGGTCCCATCAAGGTTTCAGT GGAAGTGGATCAGGCACAGATTTTACTTTTACCATCAGCAGCCTGCAGCCTGAAGATATTGCAACATATTTTCTGTCAACAATATGAGAATCTCCCG GTCACCTTCGGCCCTGGGACCAAAGTGGATATCAAAC
004	p136w94	IGLV	GACATCCAGATGACCCAGTCTCCATCTTCTGTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTCGGGCGAGTCAGGGTATTAGCACCT GGTTAGCCTGGTATCGGCAGCAACCAGGGAAAGCCCCTAACCTCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGATTTCACTCTCACTATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTACTATTGTCAACAGGCTAACAGTTTCC CTTTCACCTTCGGCCCTGGGACCAAAGTGGATATCAAAC
004	p137w10	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCAGCAGTGATATTGGGAGTT ATGACCTTGTCTCCTGGTTCCAGCAGCACCCAGGCAAAGCCCCAAACTCATATTTTTGACGTCAGTAGCCGGCCCTCAGGGGTTTCTAATCAG TTCTCTGGCTCAAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCA
004	p137w101	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGATCCAGCAGTGACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAGCACCCCGGCAAAGCCCCAAACCTCATGATTTATGATGTCAGTGATCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCAAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAG ACAGCAACTCGTTATGTCTTCGGAAGTGGGACCAAGGTCACCGTCTAG
004	p137w108	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCACA GTGATGGATACATCTATTTGGATTGGTACCTGCAGAAACCAGGGCAGTCTCCACAGCTGCTGATCTATTTGACTTCTAGTCGGGCCTCCGGGGTCC CCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTAACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGAATCTATTACTGCATGC AAGCTTTTCAAACCTCCCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p137w11	IGLV	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTCTAGGAGACAGAGTCACCATCACTTGCCGGGCCAGTCAAAAATATTAATACCTG GTTGGCCTGGTATCAGCAAAAACCAGGGAAAGCCCCTAAACTCCTGATCCAAAGGGCCTAGTTTAGAAAAGTGGGGTCCCATCAAGGTTTCAGC GGCAGTGGATCTGGGACAGAAATTCATCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCGACATATTACTGCCAACAGTATAATAATTATTG GACGTTTGGCCAAGGGACCAAGGTGGAAATCAAAC
004	p137w113	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACCCGAAACCAGCAGTGACGTTGGTACTT ATAACTATGTCTCCTGGTACCAACAGAACCCAGGCAAAGCCCCAAAGTCAATAATTTATGAGGTCAATAATCGGCCCTCAGGGGTTTTCGAATCGC TTCTCTGGCTCAAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGGGGACGAGGCTGATTATTACTGCAGCTCATATACAA CCAGGAGCACTCTCGTGCTATTTGGCGGAGGGACCAAGCTGACCGTCTAG
004	p137w114	IGLV	GATGTTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCCTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCACAGCCTCGTACACA GTGATGGAAACACCTATTTGCATTGGTTTCAGCAGAGGCCAGGGCAGTCTCCAAGGCGCCTAATTTATAAGGTTTCTAACCGGGACTCTGGGGTCC CCAGACAGATTCAGCGGCAGTGGGTCCAGGCACTGATTTTCACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGCGATTTATTACTGCATGC AAGGTACACACTGGTTCGATGTGCAATTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p137w118	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGTAGAT ATTTAAATTGGTATCAGGAGAAACCAGGGAAAGCCCCTAAACTCCTGATCTATAGTGTATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGCTCCGGGCGAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGCGACTTATTATTGTCAACAGAGTTACAGTTCCCC GTACACTTTTGGCCAGGGGACCAACTGGAGATGAGAC

004	p137w119	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGACTGTTAGCGGCA ACTACTTAGCCTGGTACCAGCAGAGACCTGGCCAGGCTCCCAGGTTCTCTCATCTATGGTGCATCCAGCAGGGCCACTGGCGTCCCAGACAGGT TCATTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAACAGACTGGAACCTGAAGATTTTGCAGTGTATTATTGTCAGCAGTATGGCACC TCACGGACGTTTCGGCCAAGGGACCAAGGTGAAATCAAAC
004	p137w122	IGLV	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGTAGCT ACTTAGTCTGGTACCAGCAAAAACCTGGGCAGGCTCCCAGGCTCCTCATCTATGATGCAGTCAACAGGGCCACTGGCATCCCAGTCAGGTTTCAG TGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAGGATTTTGCAGTTTATTACTGTCAACAGCGTAACAACCTGGC CTTCCTTCGGCCAAGGGACACGACTGGAAATTAAC
004	p137w124	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTATTATTCA GCTCCAACAATAAGAATACTTAGCATGGTACCAGCAGAAACCAGGACAGCCTCCTAAGGTAATCTATTTTCTGGGCATCTACCCGGAAATCAGGG GTCCCTGACCGATTACAGTGGCAGCGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCACTTTATTACTGTC AGCAATACTATACTACTCCGTGGACGTTTCGGCCAAGGGACCAAGGTGAAATCAAAC
004	p137w125	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCACCTCCAACATTGGGAATA ATTATGTATCCTGGTACCAGCAACTCCCAGGAACAGCCCCAAACTCCTCATTTATGACAATAAAGCGACCCTCAGGGATTCTGACCGATTTC TCTGGCTCCAAGTCTGGCACGTGACCCACCCTGGGCATCACGGACTCCAGACTGGGGACGAGGGCCGATTATTACTGCGGAACGTGGGATAGC AGCCTGGGTGCTCCCCTGTTTCGGCGGAGGGACCAAGTTGACCGTCTAG
004	p137w126	IGLV	CAGTCTGCCCTGACTCAACCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAACTATGCTCCTGGTACCAACAATACCCAGGCAAGCCCCAAAGTCATGATTTATGATGCAGTAATCGGCCCTCAGGGTTTCTGTTTCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAAGACGAGGGTGATTATTACTGCAGCTCATATACAA GCAGCAGCACTGTGGTGTTCGGCGGAGGGACCAAGTGACCGTCTAA
004	p137w128	IGLV	GAAATCGTCTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGTGAAAGAGCCGTCCTCTCCTGCAGGGCCAGTCAGACTGTTGGCAGGA GCTTCTTAGCCTGGTACCAGCAGAGACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACAGGCATCCCAGACAGGT TCAGTGGCAGCGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAACCAGAAGATTTTGCAGTGTATTTCTGTCACCAGTATGGTACT TCACAGTGGACGTTTCGGCTAGGGACCAAGGTGAAATCAAAC
004	p137w130	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAGAGACCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA GCTACTTAGCCTGGTACCAGCAAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGATGCATCCACCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCGGCAGACTGGAGCCTGAAGATGTTGCAGTGTATTACTGTCAGCAGTATAGTCC CTCACCTCCGTGGACGTTTCGGCCAAGGGACCAAGGTGAAATCAAAC
004	p137w131	IGLV	CAGGCTGTACTGACTCAGCCGTCTCCCTCTCTGCATCTCCCGAACATCTACCAGTCTCACCTGCACCTTGGCCAGTGGCATCGATGTTCTTG CCACCAGAATTTACTGGTACCAACAGAGGCCAGGGAGTCGACCCCATCTCCTGAGGTACAAGTCAGACTCAGATTACAGCCAGGGCTCTGG AGTCCCTAGTCGCTTCTGGATCCAAAGATGCTTCGGCCAACGCAGTATTCTAGTCATCTCTGAAGTCCAGTCGGAGGATGAGGCTGATTATT ATTGTATGGTCTGGCACAAACAGAGCCGTGATCTTCGGCGGAGGGACCAAGCTGACCGTCTCG
004	p137w132	IGLV	GATATTGTGATGACTCAATTTCCCCTCTCCCTGCCCGTACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCCAGTCAGACCCTCCTGCATA GTAATGGATTCAACTACTTGGATTGGTATGTGCAGAAGCCAGGGAAAGTCTCCACAACCTCTGATCTATTTGGGTTTTAAGCGGGCCTCCGGGGT CCTGACAGGTTCAAGTGGCAGTGGTTTCAGGCACTGATTTTACACTGGAATCAGCAGAGTGGAGGCTGAGGATGTGGGGATTTACTACTGCATGC AACCTTACAACTCCATTGACTTTTCGGCCCTGGGACCAAGTGGATTTCAAAC
004	p137w135	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCACCTCCAACATTGGGAATA ATTATGATCCTGGTACCAGCAACTCCCAGGAACAGCCCCAAACTCCTCATTTATGACAATAAAGCGACCCTCAGGGATTCTGACCGATTTC TCTGGCTCCAAGTCTGGCACGTGACCCACCCTGGGCATCACGGACTCCAGACTGGGGACGAGGGCCGATTATTACTGCGGAACGTGGGATAGC AGCCTGGGTGCTCCCCTGTTTCGGCGGAGGGACCAAGTTGACCGTCTAG
004	p137w137	IGLV	GACATCCAGATGACCCAGTCTCCTTCCCTCCCTGTCTGCATCTGTGCGAGACAGAGTCAACCATCACTTGCCGGGCCAGTCAGAGTATTAGTACCT GGTTGGCCTGGTATCAACAAAAACAGGGAAAGCCCCCTAAACTCCTGATCTATGAGGCGTCTAGTTTAGAGATCGGGTCCCATCAAGGTTTCAG CGGCAGTAGATCTGGGACAGAAATCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAGTATAAAAGTTATTC TCCCTGGACGTTTCGGCCAAGGGACCAAGGTGAAATCAAAC
004	p137w142	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTGGAGAGCCGGCCTCAATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCATA GTAATGGATTCAACTACTTGGAGTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATGTGGGATTTAAACGGGCCTCCGGGGT CCCTGACAGGTTCAAGTGGCAGCGGGTCCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTGGGGTTTATTACTGCATG CAAAGTCTACAATCTTGACGTTTCGGCCAAGGGACCAAGGTGAAATCAAAC
004	p137w15	IGLV	GACGTCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTGCGAGACAGAGTCAACCATCACTTGCCGGGCCAGTCAGCGTCTTAATAGTT GGTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCCTAAACTCCTGATCCACACGGCGTCTGCTTTAAAAAGTTGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAAATCACTCTCACCATCAGCAGCCTGCAGCCTGATGACTTTGCAACTTATTACTGCCAACAGTATAATAGATATC CGTGGACGTTTCGGCCAGGGACCAAGGTGAAATGAAA

004	p137w20	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACATTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAACATCATGATTATGATGTCAATAATCGGCCCTCAGGGGTTTCTAATCGCTT CTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCTCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATAACAAC AGCAGCACTCTCGGACTCTTCGGAACCTGGGACCAAGGTCACTCGCTAG
004	p137w21	IGLV	GAAATTGTGTTGACGCAGTCTCCGGCCACCCTGTCTTTGTGCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGCCAGACTATTAACAACA ACTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGGTTCTCATCACTGGTGCATCCAAACAGGGCCTCTGGCATCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTTCTGTCAGCAGTATAGTAGCT CATCCTGGACGTTTCGGCCAAGGGACCAAGGTGGAAATCAGAC
004	p137w22	IGLV	GAAATAGTGATGACGCAGTCTCTAGTCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAATGTTGGCGTCA ACTTAGCCTGGTACCAGCAGAGACCTGGCCAGGCTCCAGACTCCTCATCTATGATGCATCCACCAGGGCCACTGGTATCCCAGCCAGGTTTCAG TGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCACCTTTACTGTGTCAGCAGTATGATACTGGC CGGGAACGTTTCGGCCAAGGGACCAAGGTGGACTTCAGAC
004	p137w23	IGLV	TCCTATGAACTGACTCAGCCACACTCAGTGTGTCAGTGGCCACAGCAGATGGCCAGCATCACCTGTGGGGGAAACAACATTGGAAGTAAAGCTG TGCAGTGGTACCACAAAAGCCAGGCCAGGACCCTGTGCTGGTTCATCTATAGCGTTAGCATCCGGCCCTCAGGGATCCCTGAGCGATTCTCTG GCTCCAAACCAGGGAACACCGCCACCCTAACCATCAGCAGGATCGAGGCTGGGGATGAGGCTGACTATTACTGTGTCAGGTGTGGGACAGTAGTA GTGATCATCAGGTG
004	p137w26	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATTTCCTGCACTGGAACCAGCAGTGACATTGGTACTT ATGACTATGTCTCCTGGTACCAACAACACCCGGGTAGAGCCCCAAACTATTATTCTGTGTGTCAGTAGTCGGCCCTCAGGGATTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGCAGTTCATATAGAAA CACGAACAGTCTCGAGAATTATGTCTTCGGGACTGGGACCAAGGTCACTCGCTAG
004	p137w27	IGLV	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAAGA ACTGGTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGGCTCCTCATTCACTGCATCCAGCAGGGCCACTGGCATCTCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCCTCACCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGTCAGCAGTATGGCAGC TCACCCGTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p137w28	IGLV	GACATCGTGTGACCCAGTCTCCAGACTCCCTGGCTGTGCTCTGGGCGAGAGGGCCACCCTCAACTGCAAGTCCAGCCAGAGTGTTTTTCTGA ACTCCAAACAGGAAGAGCTTTTTGTCTTTGGTTTTCAACTGCCAGCCAGGCTCCTAAATTGCTCTTTTACTGGGCATCTTCCCGGGAAACCGGG GTCCCTGACCGATTCACTGCCAGCGGGTCTGGGACAGATTTACGCTCACCATCCACAACATGCAGGCTGAAGATGTGGCAGTTTATTACTGTC AGCAGTATTATACCACTCCTTTCTCTTT
004	p137w30	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTTGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGGGCATTGCAAATG ATTTAGGCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAATCACTCTCAACAATCAGCAGCCTGCAGCCTGAAGATTTTGCACCTTATTACTGTCTACAGCATAATTTTACCC CCTCACTTTTCGGCCCTGGGACCAAAAGTGATATCAAAC
004	p137w32	IGLV	CAGTCTGTGTTGGCGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGTTCTGGAAGCAGCTCCAACATTGGAAGG AATGTTGTGTCGTGGTACCAGCAGTTCACAGGTACAGTCCCCACACTCCTCATTTCTGACACTAACAGACGAGAGTCAGGGACTCCTGACCGATT CTCTGGCTCAAAGTCTGGCACGTCAGCCACCCTGGAAATCACCGGACTCCAGACTGGGGACGAGGCCGATTATTATTGCGGAACATGGGATAG CAGTCTGAGAGTGTCTAATCGGCGGAGGGACCAAGCTGACCGTCTAG
004	p137w34	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCTACAGTGACGTTGGTCGTT ATAACTTGGTCTCCTGGTACCAGCAATACCCAGGGAAAGCCCCAAACTCCTGATTTATGATGTGTCAGTGTGCGCCCTCAGGTGTTTCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGACGACGAGGCTGCTTATTACTGTCACTCATATAACAAC CACCGTCGGCTGGGGGTGTTTCGGCGGCGGGACCAGGCTGACCGTCTAG
004	p137w36	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGAGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCAGCT ACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGGCTCCTCATCTATGGTGCCTCCACCAGGGCCACCAGGATCCCAGACAGGTTCA GTGGCAGTGGTTTTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTATTGTCAGCAGTATGGTAACTCA CCTCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p137w47	IGLV	TCCTATGCGCTGACTCAGCCACCCTCGGTGTGTCAGTGGCCCCAGGACAGACAGCGCCAGGTTACCTGTGGGGGATAACAACATTGGCACTAAAAGT GTGCAGTGGTACCAGCAGAAGCCAGGCCGGGCCCTGTGTTGGTGTCTCTGATGATAGGGACCGGCCGAGGATCCCTGAGCGTTTTTCT GGCTCCAACTCCGGGCAAACCGCCACCCTGACCATCAGCAGGTCGAGGCCGGGGATGAGGCCGACTACTACTGTGAGGTGTGGGACAGTGA TGGTGATCATCCAGTATTTCGGCGGAGGGACCAAGTTGATCGTCTAG
004	p137w51	IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCGGC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGACTCCTCATCTATGTTGCATCCACGAGGGCCACTGGTATCCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTACTACTGTGTCAGCAGTATAAACAAGT CCGTACAGTTTTGGCCAGGGGACCAAACTGGAGATCAAAC



004	p137w52	<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAGAGGCCACCCTCTCCTGCAGGACCAGTCAGAGTGTTAGTAGCT ACGTCCTTGGCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCGCTGGCATCCCAGACCGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACTATCAGC
004	p137w58	<i>IGLV</i>	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTGAGAGTATTAGCAGCT ACTTAGCCTGGTACCAACAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGATGCATCCAACAGGGCCACTGGCATCCCAGCCAGGTTCCAG TGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTGAGCAGCGTAGCAGCTGG CCTCCGTGCAGTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
004	p137w60	<i>IGLV</i>	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTAGCGGC AACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGACTCCTCATGTATGTTGCATCCACCAGGGCCACTGATATCCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTGAGCAGTATAAAATCTGG CCGTACACTTTTGGCCAGGGGACCAAACTGGAGATCAAAC
004	p137w7	<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTATTAGCAACA ACTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAACAGGGCCACTGGCGTCCCAGACAGGTT CAGTGGCAGTGGATCTGGGGCAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGAGCATTATGATAGGT CACCTCAGATCACTTTCCGGCCCTGGGACCAAGTGGATTTCAAACG
004	p137w8	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTAGGGGACAGAGTCACCATCACTTGCCAGGCGAGTCAGGGCATTAGCAATT ATTTAAATGGTATCAGCAAAAACAGGGGAAAGCCCTAAAGTCTGATCTACGATGCATCAAATTTGAAACAGGGGTCCCAGTGGGTTCCAGT GGAAGTGGATCTGGGACAGATTTCACTTTCCACCATCAGCAGCCTGCAGCCTGAAGACGTTGCAACATATTATTGTGAGCAGTATGAAAATCTCCC GCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
004	p137w90	<i>IGLV</i>	CAATCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTCAACCATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGC AGGTTATGGTGTACTGGCACCAGCATATCCAGGAACAGCCCCAACTCCTCATGTATGATAATAGCAATCGGCCCTCAGGGGTCCCTGAC CGATCTCTGGCTCCAAGTCTGACACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGGTACTATTACTGCCACTCGTATG ACAGCAGCCTGAGTTCTTGGGTGTTCCGGCGGAGGGACCAAGTTGACCGTCTAG
004	p137w93	<i>IGLV</i>	GCCATCCAGTTGACCCAGTCTCCATCCTTCTGTCTGCATCTGTGGGAGACAGAGTCACCATCACTTGCCGGGGCAGTGAGGGCATTGGCAGTT ATTTGCTGGTATCAACAAAAGCCAGGGACAGCCCCAACTCCTGATCTATGCTGCATCCACTTTGCAAGATGGGGTCCCCTCAAGGTTCCAGC GGCTCTGGATCCGGGACAGCATTCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTGTGCAACTTATTACTGTCAACAACCTGGCAGTTCTCC GTACACTTTTGGCCAGGGGACCAAGTGGAGATCAAAC
004	p137w94	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTTGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGGGCATTGCAAAATG ATTTAGGCTGGTATCAGCAGAAACAGGGGAAAGCCCCAAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAAGTGGGGTCCCATCAAGGTTCCAG CGGCAGTGGATCTGGGACAGAAATCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTATTACTGTCTACAGCATAATTTTACCC CCTCACTTTCCGGCCCTGGGACCAAAAGTGGATCAAAC
004	p137w95	<i>IGLV</i>	GACATCCAGATGACCCAGTCCCCATCCTCCCTGTCTGCTGTGGGAGACAGAGTCACCATCACTTGCCGGGCGAGTCAAACCATCAACAAGT ATTTACATTGGTATCAGCAGAAACCTGGGAGAGCCCCAACTCCTGATCTCTGTTGCCCTCCACTTTGCAAAAGTGGGGTCCCATCAAGGTTCCAGC GGCAGTGGATCTGGGACAGATTTACCCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGCAACTTACTACTGTCAACAGAGCTATATTACCC TCAAACCTTCCGGCCCTGGGACCAAAAGTGGAAATGAAAC
003	p91w108	<i>IGHV</i>	CAGGTGCAGCTGGTACAATCTGGGTCTGAGTTGAAGAAGCCAGGGCCCTCAGTGAAGGTTGCCTGCAAGACCTCTGGATACACCTTCACTAGTT ATACTATGAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGATCAACACCAACACTGGGAAGCCAACATATGCCAGG GCTTCACAGGACGGTTTTTCTTCTTTGGACACCTCTGTCAAGTACGGCATATCTGCAGATCAGCAGCCTAAAGGCTGAGGACACTGCCGTGTAT TACTGTGCGAGAGAATTACAACCAACTCTGATTACTATTACTACTACGCTCTGGAAGTCTGGGGCCAAGGGACACGGTCACCGTCTCCTCA
003	p91w109	<i>IGHV</i>	CAGCTGCAGTTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCAAGACCCTGTCCCTGACCTGCACTGTACTTGGTGGCTCCATCAGCAGC AGTCCGCTACTACTGGCCCTGGATCCGCCAGACCCAGGAAAGGGCTGGAATGGATTGGGAGTATGTATTACAGTGGGAGCGCCTACTACAAC CCGTCCTCAAGAATCGAGTCACCATATCCGTAGACACGTCCAAGAGCCAGTTCTCCCTGGTGTGATGGCTGTGACCGCCGACAGACGGGCTA TGTATTACTGTGCGAGACATGTGAGGGATGACGACACCAACTTTCCACTTTGACGACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p91w122	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTGAAGCCTTCAAGACCCTGTCCCTCACCCTGCGCTGTCTCTGGTACTCCATCACCAGT GGTGTACTCCTGGAAGTGGATCCGGCAGCCACCAGGGAAGGGCTGGAGTGGATTGGGTACTCTATCCGAGTGGCACTACTTATTACAACC CGTCTTGGACGGGTGAGTCACCATCTCAGTTGACAGGTCCAAGAACCAGTTCTCCCTGAAGTCTGTGACTGCCGCGGACACGGCCGT GTATTACTGTGCCAGAG

003	p91w135		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTAAAGCCTTCGCAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCAGCAAT GGTGGTTACTCCTGGAGCTGGATCCGGCAGCAACCAGGGAAGGGCCCTGGAGTGGATTGGGTACATCTATCAGACTGGGGGCGCCTCCTACAAC CCGTCCCCTCAAGAGTCGAGTCACCATATCAGTAGACAGGTCCAAGAACCAGTTCTCCCTGAAGGTGAAGTCTGTGACCGCCGCGGACACGGCC GTGTATTTCTGTGCCAGAGGCAAGGACTTCGATCCTTTGACAGGTTATTTGAAGCTTTTGATGTCTGGGGCCAAGGGACAATGGTCACCGTCTC TTCAG
003	p91w136		<i>IGHV</i>	CAGGTACAGTTGCAGGAGTCCGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTGGT TACTACTGGAGCTGGATCCGGCAGTCCCCGGGGAAGGGACTGGAGTGGATTGGCTATATCTTTACAGTGGGAGCACCAACTACAATCCCTCCC TCAAGAGT
003	p91w14		<i>IGHV</i>	CAGGTCCAACCTTGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCCTCAGTGAAGGTTTCCTGCAAGGCTTCTGGATACATTTTCACTAGTT ATGCTATGCATTGGGTGCGCCAGGCCCCCGGACAAAGGCTTGAAGTGGATGGGGTGGATCACCCTGGCAATGGTGACACAAAATATTCACAGA AGTTCAGGGCAGAGTCGCCATTACCAGGGACACATCCGGCAGCAGACTACATGGAGCTGAGCAGCCTGAGATCTGAAGACACGGCTGTGT ATTACTGTGCGAG
003	p91w159		<i>IGHV</i>	GAGGTGCAGTTGGTGGAGTCTGGGGGAGACTTGGTCCAGCCGGGGGGTCCCTGAGGCTCTCCTGTGAAGCCTCTCAACTCACCTTCAGTTCC TATACTATGCACTGGGTCCGCCAGGCTCCAGGGAAGGGACTGGAATATGTTGCAGCCATTAACGGAGGGGGTGACACATATTATGGCGCTTCTG TGAGGGGCAGAGTACCATCTCCAGAGACAATTCGAAGACATGCTGTTTCTCAAATGGGCAGCCTGAGACCTGAGGACACGGCTATGTACTA CTGTGCGAGAGCCCGGGGGCTGGTGGTTCGGGGAACCTCTCCACCTGGGGCCAGGGAACCCAGGTACCGTCTCCTCAG
003	p91w162		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCCGGCCAGGACTGCTGAAGCCTCCGGAGACCCTGTCCCTCACGTGCAGTGTCTCTGGTGGCTCCATCAGCAGT AGTGGTCACTACTGGGGCTGGATCCGGCCGGCCCCAGGGAAGGGGTTGGAGTGGATTGGGAGTATCTATTATAGTGGGAGCACCCACTACAAC CCGTCCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGGACTCTGTGACCGCCGAGACACGGCTG TGTATTACTGTGCCAGACAAAAGGCCCTAACTGGTCTCTCTCGGACCTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCTCAG
003	p91w169		<i>IGHV</i>	GACGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGTCCCTGAGACTCTCCTGTGCAACCTCTGGCTTCACTTTTATTAGTTA TTGGATGGCCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCAGTATAAAGCAAGATGGAAGTGAGGAATCTATGTGGACTC TGTGAGGGCCGATTACCATCTCCAGAGACCCGCCAAGAAGTCACTTTATCTGCAAATGAACAGCCTGAGAGCCGACGACACCGCCATTTAT TTCTGTGCGAGAGATTACTACTGACCTCTGGCTGGACATTTGACTACTGGGGCCAGGGAACCCCTGGTCACTGTCTCCTCAG
003	p91w17		<i>IGHV</i>	GCTGAAGCCTCCGGAGACCCTGTCCCTCACGTGCACTGTCTCTGGTGGCTCCATCAGCAGTACTGGTCACTACTGGGGCTGGATCCGCCGGCC CCCAGGGAAGGGGTTGGAGTGGATTGGAGTGTCTATTATAGTGGGAGCACCCACTACAACCCGTCCTCAAGAGTCGAGTCACCATATCCGTA GACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAAGTCTGTGACCGCCGAGACACGGCTGTGTATTACTGTGCGAGACAAAAGGCCCTAACT GGTCTCTCTCGGACCTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCTCAG
003	p91w174		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GGTGGTTACTACTGGAGCTGGATCCGCCAGCACCCAGGGAAGGGCCCTGGAGTGGATTGGGCACATCTATTACAGTGGGAGCACCTACTACAAC CCGTCCCCTCAAGAGT
003	p91w184		<i>IGHV</i>	TGCTGCTTGAAGTGGATCAGGCAGTCCCATCGAGAGGCCTTGAAGTGGTGGGAAGGACATACTACCAGTCCAAGTACCATAATGAGTATGCT GAATCTGTGAAAAGTCAATAAACCATCAACCCAGACACATCCAAGAACCAGTTCTCCCTGCAGCTCAACTCTGTGACTCCCGAGGACACGGCTAT TTATTACTGTACAAGGGGGTGGCTCCGAACCGGGTTTGAAGTACTGGGACCAGGGAACCCCTGGTCACTGTCTCCTCAG
003	p91w185	43	<i>IGHV</i>	TTATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCTGTTATATCATATCATGGAAGTAGTCAACACTATGCAGAC TCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACGCTCTTTCTGCAAATGAATAGCCTGAGAGGTGACGACACGGCTGTGT ATTACTGTGCGAAAAGTGGGAGTACCCAAAACCACCCCTGATTACTGGGGCCAGGGAACCCCTGGTCACTGTCTCCTCAG
003	p91w2		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCCCCTTCAGTAC CTATAGCATGAAGTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGGTCTCATACATTGATAGTAGTAATTACATATACTACGCAGACT CAGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAAGTCACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTATGTA TTACTGTGCGAGACAAGTCCCCTATTTGAGTGGTTATCCCAACTGGTTCGACCCCTGGGCCAGGGAACCCCTGGTCACTGTCTCCTCAG
003	p91w26		<i>IGHV</i>	GAGGTGCAGGTGGTGGAGTCTGGGGGAGGCTGGTCAAGCCGGGGGGTCCCTAAGACTCTCCTGTGCAGCCTCTGGATTCACTTTCACTTCC TATGTCACTGAAGTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATTAACACTGATAGTAGATACATATACTACGGAGACT CAGTGAAGAGCCGATTACCGTCTCCAGAGACAACGCCAAGAAGTCACTGTATCTGCAGATGAACAGCCTGAGGGCCGAGGACACGGCTGTCT ATTATTGTGTGAGACAGCAGGACGACGAATCTTGTCTTGGTGGTACCTGCTATATTTTTGACTACTGGGGCCAGGGAACCCCTGGTCACTGTCTCC TCAG
003	p91w3		<i>IGHV</i>	TTACACCTTTACCAGCTTTGGTATCGCCTGGGTGCGACAGGCCCTGGACAAGGGCTTGAAGTGGATGGGAGGCATCAGCGCTTACAATGGTAAC ACAGACTATGGACAGAAGTCCAGGGCAGAGTCACCATGACCACAGACACATCCAGGACACAGCCTACATGGAGCTGAGGAGCCTGAGATCT GACGACACGGCCGTGATTACTGTGCGAGAGAGGTTCCGGGAGTCTTTTTGACTACTGGGGCCAGGGAACCCCTGGTCACTGTCTCCTCAG

003	p91w44	<i>IGHV</i>	GCAGCGATAGAATCAATTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAAGGATCGACCCTATACTTGGTATATCAAACACTACGC ACAGAAGTTCCAGGGCAGAGTCACGATTATCGCGGACAATCTACGAGCACATCCTACATGGAGCTGAGCAGCCTGAGATCTGAGGACACGGC CGTGTATTACTGTGCGAGAGAGGCTCGGGGAGTTATTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p91w69	<i>IGHV</i>	CAGGTCCAGCTTATGCAGTCTGGGCCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGTCCCTGGATACAGTTTCACTAACT ATGGTATCCATTGGGTGCGCCAGGCCCCCGGACAAGGGCTTGAGTGGATGGGCTGGATCAACCCTGGCACTGGCTACACACAATCTACACAGA AATTCAGGGCCGAGTCTCCATTTCCAGGGACACACC CGGACAACAGCCTACATGGACCTGAGGAGCCTGAGATCTGAAGACACGGCTGTGT ATTACTGTGCGAGAGGGTTCCCTCAGTGGCTGGAATGATGCTTTTGAGATCTGGGGCCAAGGGACAGTGGTCACCGTCTCTCAG
003	p91w94	<i>IGHV</i>	CAGCTGCAGCTACAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT AGTGGTCACTACTGGGGCTGGATCCGCCAGCCCCCGGAAGGGGCTGGAGTGGATTGGGAGTATCTATTATAGTGGGAGCACCTACTACAAC CCGTCCCTCAAGAGTCGAGTCACCATTTCCGTAGACACGTCCAACAACAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACACACGGCTGT CTATTACTGTGCGAGACAAAAGGCCCTAATTGGTCTCTCTCGACTTCGATCTCTGGGGCCGTGGCACCCGGGTGAGTGTCTCCTCAG
003	p92w100	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTACAGTAAAG CCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAAGGCAAAAGTATGGTGGGACTACAGACTAC GCTGCACCCGTGAAAGGCAGATTCACCATCTCAAGAGATGATTCAAAAACACCTGTATCTACAAATGAACAGCCTGCAGACCCGAGGACACAGC CGTATATTATTGT
003	p92w101	<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCAACCCTCAGCGAC TACTACATGACCTGGATCCGCCGGGCTCCAGGGAAGGGGCTGGAATGGGTTGCATACATTAGTAGTGGTAGTAGTGACAAAATATTACGCAGACT CTGTGAAGGGCCGATTACCATCTCCAGGGACAACGCCAAGAACTCACTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGT ATTATTGTGCGAGACCCGACGGTACTACCCGCAATGGCATTACTACCACGGTCTGGACGTCTGGGGCCTAGGGACCACGGTACCCGTCTCTTC A
003	p92w104	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAATACT TACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGAATATCTACTCCAGTGGGAGCACCAACTACAACCCTCCC TCCAGAGTCGAGTCACCATATCAATAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCTGCAGACACGGCCGTGATTA CTGTGCGAG
003	p92w108	<i>IGHV</i>	AGAAGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGTAAGGCTTCTGGTTATACCTTTACCCGGTTTTGGTATCAGTTGGGTGCGACAG GCCCCTGGACAAGGGCTTGAGTGGATGGGGTTGATCAGCGATTACGACGGTAACACACACTATGCACAGAGACTGCAGGGCAGAGTCACCATG ACCACAGACACATCCACGAGTACAGCCTACATGGAGCTGAGGAGCCTGAGATCTGACGACACGGCCGTGATTACTGTGCGAGTCTGGTTCCG GGAGTTATTGGGGACCACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p92w111	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGACTTGGTAAAGCCAGGACGGTCCCTGACAATCTCTTGTACAGGTTCTGGATTCAACTTTGGTGAAT ATGCTGTGAGCTGGTTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGATTCATTAGAAGCAAACCTTACGGTGAGACAACAAAATTCC CCGCGCCTGTGCAAGGCAGATTCACCGTCTCAAGAGATGATTCCAAAGGCATCGCCTATCTGCAAATGAACAGCCTGAAAACCGCGGACACTGC CGTCTACTTTTGTGCTAGGGAGAGGTTTCGAGCAGTGGCAGGAACGGTATTTTGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p92w112	<i>IGHV</i>	CAGGTGCAGCTGGTGCAATCTGGGTCTGAGTTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGGCTTCTGGATACACCTTTAATAAGT ATGCTATGAATTGGGTGCGACAGGCCCTGGACAAGGGCTGAATGGATGGGATGGATCAACACCAATACTGGGAACCCAACGTATGCCAGG GCTTACAGGACGGTTTTGTCTTCTCCTTGGACACCTCTGTGACGACGGCATATCTGCAGATCAGCAGCCTAAAGTCTGAGGACACTGCCGTATAT TACTGTGCGAGAGAATTACAACCAACTCTGATTACTATTACTACTACGTATGGACGTCTGGGGCCAAGGGACCACGGTACCCGTCTCCTCA
003	p92w113	<i>IGHV</i>	GAGGCGCACATGGTGGAGTCTGGGGGAGCCTTGATCCAGCCTGGGGGTCCCTGAGACTCTCCTGTGTAGTCTCTGGGTTCCAGCGTCAGTGAC ACGTTTCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGTCTGGAGTGGGTTCCGTTATTTATAATACCGGAGAGACATATTACATCGACTCCG TCAAGGGCCGATTTCATCTCCTCAGAGACAACCTCAAGAACCCTGTATCTTCAGATGAATAGTCTGAGAGCCGACGACACGGCCGTCTATTAC TGTAAGGTGGGACACTATGCCGTGCGACAGCACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p92w114	<i>IGHV</i>	CAACTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT AGTAGTTACTTCTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTATTATAGTGGATACACCTACTACAACC CGTTCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAACAACCAGTTGTCCCTGAACCTGAGGTCTGTGACCGCCGACACACGGCTGT TTATTACTGTGCGAGACATAAGGGAGACGAATGTCGTAGGAGCACCTGCTATCACGCCGTTGGTCTTTTGTGCTGTGGGGCCAAGGCACAATG GTCCCGTCTCTTTAG

003	p92w119	<i>IGHV</i>	GCGTCACTAACGCTGTCATCCACTGGGTCCGCCAGGCTCCAGGCAAGGGCCTGGAATGGGTGGCACTTGTCTCAGTTGATGGATACAATAGAG ATTATGGAGACTCCTTGAAGGGCCGATTCACCATCTCCAGAGACACTTCCAAGAATACGATTTATCTGCAAATGGACAGCCTGAGAACTGAGGAC ACGGCTCTATACTACTGTACGAGAGAGGGTCATAGTAGTGGTCATGCCGGTGCCCTTGACCACTGGGGCCAGGGAACCCCTAGTCATCGTCTCCT CAT
003	p92w122	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCCTGGTCAGGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAG TTATACCATTAAGTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGG
003	p92w126	<i>IGHV</i>	CAGGTACAGCTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCCTCGCAGACCCTCTCACTACCTGTGCCATCTCCGGGGACAGTGTCTCTAGG AGCACTGCTGCTTGAATTGGATCAGGCAGTCCCCATCGAGAGGCCTTGAGTGGCTGGGAAGGACATACTACCAGTCC
003	p92w135	<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAACCACACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCACTCAGCACTA GTGGAGTGGGTGTGGGCTGGATCCGTCAGCCCCAGGAAGGCCCTGGAGTGGCTTGCACCTATTTATTGGGATGATGATAAGCGCTACAGCCCA TCTCTGAAGAGCAGGCTCACCATCACCAAGGACACCTCCAAAACCAGGTGGTCTTACAATGACCAACATGGACCCTGTGGACACAGCCACAT ATTACTGTGCCCCCTTTCACGGGGGAGTTATCGTTACAACCTGGTTCGACCCTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
003	p92w136	<i>IGHV</i>	CAGGTTCAACTGATGCAGTCTGGAGCTGAGATGAAGAAGCCTGGGGCCTCAGTGCAGGTCTCCTGCAAGGCCTCTGATTACACCTTTACTAAGT ATGGTATCATGTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATGGATCAGCGATTATAATGGTGACACAAATATGCACAGAA GGTCCAGGGCAGAGTCACCATGACCACAGATACATCCACGAGCACAGCCTACATGGAGTTGAGGAGCCTGAGATCTGACGACACGGCCGTATA TTACTGTGCGAGTCTGATTCGGGGAGTTATTGGGGACTACTGGGGCCAGGGAACCCGGGTACCGTCTCCTCAG
003	p92w14	<i>IGHV</i>	CAGGTTCACTGGTGCAGTCTAGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCCTCTGGATATACCTTTACCAGCT ATGGTGCACCTGGGTGCGACAGGCCCTGGACAAGGGCTAGAGTGGATGGGAGGGATCAGCGTTACAATGGTGACACAACTATGCACAGA GGGTCCAGGGCAGAGTCACCATGACCACAGACACATCCACGAGCACAGACTACATGGAGCTGAGGAGCCTCAGATCTGACGACACGGCCGTGT ATTTCTGTGCGAGAGAAGTTCGGGGAGTTATTAGCTACTGGGGCCAGGGAACCCCTGGTCAGCGTCTCCTCAG
003	p92w143	<i>IGHV</i>	CAGGTTCACTGGTGCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCCTTCTGATTACACCTTTAGCAGTT ATGGAATCAACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATGGATCAGCGATTACAATGGTAACCGGAACTATGCACAGA AGTTCCAGGGCAGAGTCACCATGACCACAGACACATCCACGAGCACAGACTACATGGAGCTGAGGAGCCTCAGATCTGACGACACGGCCGTGT ATTACTGTGCGAGTCTCATTTCGGGGAGTTATTGGGGACTATTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCCG
003	p92w145	<i>IGHV</i>	GAGGTGCAATTGGTGGAGTCTGGGGGAGGCCTGGTCAAGCCGGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGT TTTAGGATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATTAGTAGTAGTATTTTACATATACTATGCAGACT CAATGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAATTCATGTATCTGCAAATGAGCAGCCTGAGAGCCGAGGACACGGCTGTGTA TTACTGCGCGAGAGATTACCTAGAAGGTAGTGGGAGCGACTACATAGGCAAGGGCTACGGTTTGAAGTCTGGGGCCAAGGGACCATGGTCAC CGTCTCCTCA
003	p92w15	<i>IGHV</i>	CAGGTTCACTGGTGCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCCTTCTGATTACCCCTTTACCAGTT ATGGTATCAACTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATGGATCAGCGATTACAATGGTAACACAACTATGCACAGAA GTTCCAGGGCAGAGTCACCATGACCACGGACACATCCACCAGAACAGCCTACATGGAGATGAGGAGCCTAAAATCTGACGACACGGCCGTGTA TTACTGTGCGAGTCTCATTTCGGGGAGTTATTGGGGACTATTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCCG
003	p92w159	<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCCTGGTCCAGCCTGGGAGGTCCCGGAGACTCTCCTGTGCAGCCTCTGGATTCCCCTTCAATCTC TATGCCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCTTATCTCATATGATGGAAGTAACAACTATGAGGAGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACCCTGTATCTGCAAATGAACAGCCTGAGAGCTGAGGACACGGCTGTTTA TTACTGT
003	p92w162	<i>IGHV</i>	GAAGTGCACCTGGTGGAGTCTGGGGGAGTCTTGGTACAGCCTGGCAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTGATGATT ATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTACTCGGAATGGTGGTCTGACAGGCTATGCGGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAATCCCTGTATCTGAAAATGAACAGTCTGAGACCTGAGGACACGGCGTTGTA TTATTGTATAAAAGATAGGGGTAGTAGTACTGGTGGACCTTTGAAGACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
003	p92w163	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTAGT TACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGTATATCTATTACAGTGGGAGCAACCACTACAACCCCTCC CTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACAGACACGGCCGTGATT ACTGTGCGAGACAAATGGGTATAGCAGTGGCTGGTACTTTGGAGGGGATTTGACTACTGGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG

003	p92w167		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTGAAGCCTTCGCAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCACCAGT GGTAGTTACTCCTGGAAGCTGGATCCGGCAGTCATCAGGGAAGGGCCTGGAGTGGATTGGATACATCTATCAGAGTGGCAGTACTTATTACAACC CGTCCTTCAAGGGTGCAGTCCCATATCAGTAGACAGGTGGAAGAACCAGTTCTCCCTGAACCTCAAGTCTGTACCCGCCGCGGACACGGCCGT ATATTACTGTCCAGAGGCGGCCCTTAGCAAACCTGTGGTGGTATTGCAATCGGTGGTTCGACCCTGGGGCCAGGGAACCCTCGTACCCGT CTCTTCAG
003	p92w168		<i>IGHV</i>	GAAGTTCAGCTGGTGGAGTCTGGGGGAGGCTTAGTACAGCCTGGCAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTGATGATT ATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGTCTCAGGTATTAGTTGGAATGGTGGTAAGATAGGCTATGCGGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACCTCCCTCTTTCTACAATGAGCGGTCTGAGAGCTGAGGACACGGCCTTGTA TTTCTGCACAAAAGATAGGGGTCAGAGTGACTGGTGGACCTTTGAGGATTGGGGCCAGGGAACCCTGGTACAGCTCTCCTCAG
003	p92w17		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GGTGATTACTACTGGAGTTGGATCCGCCAGCCCCAGGGAAGGACCTGGAGTGGATTGGGTACATCTATTACAGTGGGAGCACCTACTACAACC CGTCCCTCAAGAGTGCAGTTACCATATCAGTGGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACTGCCGACACACGGCCGT GTATTATTGTGCCAGAGA
003	p92w172	14	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTAGT TACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGCCTGGAGTGGATTGCATATGTCTATTATAGTGGGAGACCAACTACAACCCCTCCC TCAGGAGTGCAGTCCCATTTAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAACTGAGCTCTGTGACCGCTGCGGACACGGCCGTCTATTA CTGTCCGAGAGAGTTCCGGGTTATCGGTTCCGTTCCAGCCCTGGGGCCAGGGAACCCTGGTACCCGTCTCCTCAG
003	p92w174		<i>IGHV</i>	CAGGTACAGCTGCAGCAGTCCAGGACTGGTGAAGCCTTCGCAGACCCTCTCACTCACCTGTGCCATCTCCGGGGACAGTGTCTCTAGT GGTGGTTGGAAGTGGATCAGGCAGTCCCATCGAGAGGCCTTGAGTGGCTGGGAAGGACATACTACAAGTCCAAGTGGTATTATGATTATGCAA TATCTGTGAAAAGTCAATAACCATCAACCCAGACACATCCAAGAACCCTCTCCCTGGAGTTGAACTCTGTGACTCCCGAGGACACGGCTGTG TATTACTGTGCAGCGGGTGGCTGCAGGGGGTTTACTCCTGGGGCCAGGGAACCCTGGTACCCGTCTCCTCAG
003	p92w175		<i>IGHV</i>	AGGATTCATTAGAAGCAAACCTTACGGTGCAGACAACAAAATTCGCCGCGCCTGTGCAAGGCAGATTACCCGTCTCAAGAGATGATCCAAAAGGC ATCGCCTATCTGCAAATGAACAGCCTGAAAACCCGCGGACACTGCCGTCTACTTTTGTGCTAGGGAGAGGTTGAGCAGTGGCAGGAACGGTATT TTGACTCCTGGGGCCAGGGAACCCTGACCCGTCTCCTCAG
003	p92w176		<i>IGHV</i>	GTTTCTATAGCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGCTGGAGTGGATTTACATACATTACATAGTAGTAGTCCCATATACTACGCA GACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAACTCACTGTATCTGCAAATGAACAGCCTGAGAGACGAGGACACGGCTG TGTATTACTGTGTGAGAGATCTAGGCTGGTACGATAAATTACTGGGGCCAGGGAACCCTGGTACCCGTCTCCTCAG
003	p92w177		<i>IGHV</i>	TATAACTGATGGTGGGACAAGAGACTACGTTGCACCCGTGAAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAACACGCTGTATCTGCAAA TGAACAGCCTGACACACGAGGACACTGCCGTGTTACTGTGCCACAGATAGCAGCGGCTGGTCTCCTCCCTTACTACTACCTAGGTATGAA CGTCTGGGGCCAAAGGACCACGGTCAACCCGTCTCCGCA
003	p92w178		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTTCACTAGA GCCTGGATGAACTGGGTCCGCCAGGTTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTTAAAGCAAACCTGATGGTGGGACAGCTGACTAC GCTGCACCCGTGAAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAACACGCTGTTTCTGCAAATGAACAGCCTGACAATTGAGGACACAGC CGTGTATTACTGTACCACTGGGGGATACTGTAGTACTACCACCTGCTATAAGGGTTACTACTACTACGGTTTTGGACGTCTGGGGCCAAGGGACC ACGGTACCCGTCTCCTCA
003	p92w184		<i>IGHV</i>	GAGGTGCACCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTTCACTAGG GCCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGGTTGGCCGTATTTAAAGCAAATGCTGGTGGGACAACAGACTAC GCTGCAGCCGTGAAAAGGCAGATTACCTTCTCAAGAGATGATTCAAAAACACGATGTATCTGCAAATGAACAGCCTGAAAACCGAGGACACAG CCGTATATTACTGTACCAACCGGTGTTCTAGCGGGCCCTCCTCCAGCTACTACTACCTGCAGATGGACGTCTGGGGCCAAGGGCCGCGTCA CCGTCTCCTCA
003	p92w185		<i>IGHV</i>	CAGGTCCAGCTTGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCGAGGCTTCTGGATACACCTTCACTAACT ATGCTATGCATTGGGTGCGCCAGGCCCCCGGACAAAGGCTTGAAGTGGATGGGATGGATCAACCGTGGCAATGGTAACACATACTATTACAGAA CTTCCAGGGCCGAGTCACTTTACCAGGGACACATCCGCGAACACAGCCTACATGGAGCTGAGCAGTCTGAGATCTGAAGACACGGCTGTATAT TACTGTGCGAGAGATGGGGAGCATTACTATGTTTTCGGGAGTGGGAAACTGGCTGACCCCTGGGGCCAGGGAACCCTGGTACCCGTCTCCTCA G
003	p92w187		<i>IGHV</i>	AGTATCCATTATAGTGGGAGCACCTACGACAACCCGTCCCTCAAGAGTCCGCTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAT AGTGAGCTCTGTGACCGCCGACACACGGCTGTGTTACTGTGCGAGACAGAATTACGATGTTTGAATGGTTCTCTCGATGCTTTTGTATTT GGGGCCGAGGGACAATGGTCAACCCGTCTCCTCAG

003	p92w191		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGACTCCATCAACAAT AGTCCCTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGAGTATCTTTATAGTGGGACCACCGACTACAAC CCGTCCTCAAGCGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGACCTCTGTGACCGCCGACAGACGGCTG TATATTACTGTGCGAGACTTTCTGGTGGCTACAATTACTTGGACTACTTGGTCTACTGGGGCCAGGGAACCCTGCTCACCGTCTCCTCAG
003	p92w20		<i>IGHV</i>	GAGGTGCAGTTGGCGGAATCTGGGGGAGGCTTGGTAAAGCCGGGAGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTCTGGAAG GCCTGGATGAGCTGGGTCCGCCAGGTTCCAGGGAAGGGGCCGGAGTGGGTTGGCCTTATTAAGCAATGCTGATGGTGGGACGACAGACTA CGCTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTCACAAAACACACTATATCTACAATGAACAGCCTGCAGACCGGAGGACACG GCCGTATATTACTGTATGACAGGAGGCCATTGTAGTAGCACCACCTGCCCTCCAGTTACTACTACTTCGGTCTGAACGTCTGGGGCCAGGGA CCACGGTCACCGTCTCCTCA
003	p92w203		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCGGGGGGTCCCTGAGACTCTCCTGTTCCAGCCTCTGGATTACCGTCAGTAGT TATCACATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGGTTGCATATCTTAGTACTAGTAGTACCGTGTACTACGCAGACTCTG TGAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAATCACTGTTTCTGCAAATGAACAGCCTGAGAGACGAGGACACGGCTGTCTATTAC TGTGCGAGAGATCCAGGCTGGTACGAGAATCCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
003	p92w21		<i>IGHV</i>	CAGGTGCAGCTGGTGCAGCTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGC TATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGG
003	p92w30		<i>IGHV</i>	CAACTGCAGTTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTGACCTGCGCTGTACTIONTGGTGGCTCCATCAGCAGC AGCCGCTACTACTGGGCTGGATCCGCCAGCCCCAGGAAAGGGGCTGGAATGGATTGGGAGTATGTATTATAGTGGGAGC
003	p92w35		<i>IGHV</i>	ACTTCTGGATTACCTTTGGTGATTATGCTATGAGCTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTCAATTAGAAGCAAAG CTTATGGTGGGACAACAGAATACGCCGCGTCTGTGCAAGGCAGATTACCATCTCCAGAGATGATTCCAAAAGCATCGCCTATCTGCAAATGAAC AGCCTGAAAACCGAGGACACAGCCGTGTATTACTGTACGAGAGATCGGCTATTACGTTCCGGGGTCTTATCGACGGCCTTTCTATTTGACTACTG GGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
003	p92w37		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGGAGT GGTGATAACTACTGGAGCTGGATCCGCCAGCACCCAGGGAAGGGCCTGGAGTGGATTGGATACATCTATTACAGTGGGAGCACCTACTACAAC CCGTCCCTCAAGAGTCGAGTTACCATATCATTAGACACGTCTAAGAACCAGTTCTCCCTGCACCTGAGCTCTGTGACTGCCGCGGACACGGCCG TCTATTACTGTGCGAGAGTGGGATGGATCCCTATCTGGGGCCAAGGGACAATGGTCAACCGTCTCTTCAG
003	p92w44	12	<i>IGHV</i>	CAGGTACCTTGAAGGAGTCTGGTCTGTGCTGGTGAACCCACAGAGACCCTCACGCTGACCTGCACCGTCTCTGGGTTCTCACTCAGCAATG CTAGAATGGGTGTGACCTGGATCCGTACGCCCCAGGGAAGGGCCTGGAGTGGCTTGACACATTTTTTGAATGACGTGAAATCCTACAGCAC ATCTCTGAAGAGCAGGCTCACCATCTCCAAGGACACCTCCAAAAGCCAGGTGGTCCCTTACCATGACCAACATGGACCCTGTGGACACAGCCACA TATTACTGTGCACGGATACCGACTTTGAGTGGTTGGGAGGCTTTTGATTTCTGGGGCCAAGGGACACTGGTCAACCGTCTCTTCAG
003	p92w47		<i>IGHV</i>	CAAAAGCCATAACATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGCTTTTCATACATTAGTCCCTCTCACTCATAACAAATATTACG CAGACTCTGTGAAGGGCCGATTACCATCTCCAGAGACAACGGCAGGAACTCACTCTATCTGCAAATGGACAGCCTGAGAGACGAGGACACGG CTGTGATTACTGTGCGAGAGGTGGGCTCGACAGTAACTACTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCTCAG
003	p92w48	21	<i>IGHV</i>	GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCGGGGAGTCTCTGAAGATCTCCTGTAAGGCTTCTGGATACAGCTTACCAGC TACTGGATCGGCTGGGTGCGCCAGATGCCCGGAAAGGCCTGGAGTGGCTGGGAATCATATATCCTGATGACTCTGATATCACATACAGCCCGT CCCTCCAAGCCAGGTCACCATCTCAGCCGACAAGTCCATGAACACCCGCTACCTACAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATGT ATTACTGTGCGAGAGTTTATGATTTTTCGAGTGGCTCCCCCTGGGCTATGGACGCTCTGGGGCCAAGGGACCACGGTCAACCGTCTCCGCA
003	p92w59		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGTCCCTGAGACTCTCCTGTGCAGCGTCTGGATTACCTTCAGTAGT TATGGCATGAACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCATTATATGGTCTGCCGGAAGTAATAAATACTATGCAGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAATCCAAGAACACGCTGTATCTGCAGATGAACAGCCTGAGAGGCGAGGACACGGCTGTCTA TTACTGTGCGAGAGATGTGGGAAGTAGTACCTCCTGGGGTTTGGACGCTCTGGGGCCAAGGGACCACGGTCAACCGTCACTCA
003	p92w6	20	<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTCCACTGGTGAACCCACACAGACCCTCACCTGACCTGCACCTTCTCTGGGTTCTCACTCAGCACTA GTGGAGTCGGTGTGGGCTGGATCCGTACGCCCCAGGAAACGGCCCTGGAGTGCCTTGCAGTCATTTATTGGGATGATGATGAGGGCTACAGCC CATATCTGAAGAGCAGACTCACCATACCAAGGACACCTCCAAAACAGGTTGGTCTTACAATGACCAACATGGACCCTGTGGACACAGCCAC ATACTACTGTGCACACAGATTGGCCTATGGACCCGCCATGGGAGATGCGTATGATGTTTGGGGCCAAGGGACAATGGTCAACCGTCTCTTCAG

003	p92w69		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GGTGGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTATCACAGTGGGAGCACCTACTACAAC CCGTCCCCTCAAGAGTCGAGTCACCATATCAGTAGACACGTCTAAGAACCAGTTCTCCCTGAAGCTGAGTCTGTGACTGCCGCGGACACGGCCGT GTATTACTGTGCGAGGGGAGACACGTACTACTATGGTTTCGGGGAGTTATTACTACTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTC TCCTCAG
003	p92w7		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTCAGAAGGG CCTGGATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCACATTCAAAGCAATACTGATGGTGGGACAACAGACTACG CTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAAACACACTGTATCTGCAAATGAACAGCCTGAAAACCGAGGACACAGCC GTGTATTATTGT
003	p92w82		<i>IGHV</i>	CAGGTTCAAGTTGGTGCAGTCTGGAAATGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTACACCTTTAGTAGAT ATGGAATCACCTGGGTCCGACAGGCCCTGGACAAGGGCTTGGTGGATGGATGGATCAGTGGTTACAATGGGGACGCAAACCTATGCACAGA ATCTCCAGGGCAGAGTCACCATGACCACAGACACATCCACGAGCACAGCCTACATGGAAGTGAAGGAGCCTGAGATCTGACGACACGGCCGTAT ATTACTGTGCGAGGGTTGTCTATAGCTTCAGCTGGCTCCATGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p92w83		<i>IGHV</i>	CAGGTACAGCTGCAGCAGTCAGGTCTAGGACTGGTGAAGCCCTCGCAGACCCTCTCACTACCTGTGCCATCTCCGGGGACAGTGTCTCTAGT GCTGCTTGGAACTGGATCAGGCAGTCCCCATCGAGAGGCCCTTGGTGGCTGGGAAGGACATACTACCAG
003	p92w93		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTGAC TACTACATGAGCTGGATCCGCCAGGCTCCAGCGAAGGGGCTGGAGTGGGTTTCATACATTAGTGGTAGTGGTAGTCCCATATACTACGCAGACT CTGTGAAGGGCCGATTACCATCTCCAGGGACAACGCCAAGAACTCACTGTATCTGCAAATGAACAGCCTGAGAGCCGACGACACGGCCGTCTA TTACTGTGCGAGACATATTAAGGATGTTTTGACTGGTCCATCCTCTGATGCTTTTGATATGTGGGGCCAAGGGGCAGTGGTCACCTTCTCTCAG
003	p92w97		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTAGT TACTACTGGAGCTGGATCCGGCAGCCCCGGGAAGGGCCTGGAATGGATTGCATATGTCTATTATAGTGGGAGCACCAACTACAACCCCTCCCT CAAGAGTCGAGTCACCATTTTCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAACTGAGCTCTGTGACCGCTGCGGACACGGCCGTCTATTAC TGTCCGAGAGAGTTTCGGGGTTATCGTTTCGTTCCAGCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w100		<i>IGHV</i>	GAGGTGCAGTTGGTGGAGTCGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTAGCAGTC ATTGGATGGCTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCAATATAAACCACATGAAAGTGAGAAATATTATGTGGACTC TGTGGAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAATTCAGTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTCTAT TACTGTGCGAGAGGGTATTGTAGTGGTGGTAGTTGCTACGGAGGGGGTTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w101		<i>IGHV</i>	CAGGTGCACCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCATGTGCAGCCTCTGGATTACCTTCAGTACC TATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGACGGCGATAATAAATACTATGCGGACT CCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAACAACCTGGGAACCTGAGGACACGGCTGTATA TTACTGTGTGAAAGGGACATATTACTATGGTTTCGGGGAGTTATTCGATATCCGGGAAATTTGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCT CCTCAG
003	p93w104		<i>IGHV</i>	CAGCTGCAGCTACAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGGCCCTCACCTGCACTATCTCTGATGGCTCCTTCAGCAGT AGTAGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTTTATAGTGGGAGCACCTACTACAAC CCGTCCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAGGCTGAGCTCTGTGACCGCCGACAGACGGCT GTGTATTACTGTGCGAGACGCTCGCCACTAGGATATTGTACTACTGGTGCATGCCCGCACTTTGACTACTGGGGCCAGGGAACCCTGGTCTCCG TCTCCTCAG
003	p93w108	15	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTAGTAAA GCCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTTAAA
003	p93w109		<i>IGHV</i>	ATTATTACTGGAGCTGGATCCGACAGACCAGCCGGGAAGGGACTGGAGTGGATTGGGCGTGTCTATAAAGTGGGCGACCAAATAAACCCTC CCTCGAGGGTCGAGTCACCATATCAATAGACACGTCCAACAACCAGTTCTACCTGAATCTGAATTCTGTGACCGCCGACAGACACGGCCATGTATT ACTGTGCGCGGGGCTATTGTACTATTACCAACTGTTATTCGTTCTGGTTTCGACCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w113		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACTTGCAGTGTCTCTGGTGGTACTCCATCAGCAGT AGAAGTTTCTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATGGGGAGTATCTCTTATAGTGGGAACTCCTACTACAAC CCGTCCCCTCAATAGTCGAGTCACCTGTCTGTGACACGTCCAAGAACCAGTTCTCCCTGAGGCTGAGCTCAGTGACCGCCGACAGACGGGCT GTATATTACTGTGCGGACATGATTTTTATACCAGCAGCTCGTACCTAGGAGACTACTTTGACTACTGGGGCCACGGAACCCTGGTCACCGTCTC CTCAG

003	p93w114		<i>IGHV</i>	GACGTGCGTCTGATGGAGTCCGGGGGAGGCTTAGTTCAGCCGGGGGGTCCCTGAGACTGTCTGTGCAGCCTCTGCATTACCTTCAGAAGCT ACTGGATGCACTGGGTCCGCCAGACTCCAGGGAAGGGGCTGGCGTGGGTCTCACGTATTAGTAGTGATGGCAGTAGTCCACCTACGCGGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACACACTGTATCTGCAAATGAATAGTCTGAGCGCCGAGGACTCGGCTGTGTA TACTGTGCAAGAGCGGGGCTACGTTGTAGTGATACCAGGTGTTATTTGAGGACTACCTCTATTATCGTATGGACGTCTGGGGCCAGGG ACCACGGTCACCGTCTCCTCA
003	p93w119		<i>IGHV</i>	GCAGTGGTGGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGCCTGGAGTGGATTGGGAGTATCTATTACAGTGGGAGCACCTACT ACAACCCGTCCTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAAACCAGTTCCTCTGAGCTGAGCTCTGTGACCGCCGCGGACAC GGCCATATATTACTGTGCGAGAGGTTTAGACCGTCACGACAACATTTGGACTACTGGGGTCAGGGAACCCTGGTCACCGTCTCCTCGG
003	p93w126	16	<i>IGHV</i>	CTTGCACTGTCTCTGGTACTCCATCAGCAGTAGAAGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGA GTATTTATTATAGTGGGAGCTCCTACTACAACCCGTCCTCAAGAGTCGAGTCACCTATCTGCTGACAGGTCCAAGAACCAGTTCCTCCCTGAAA CTGAGCTCAGTGACCGCCGAGACACGGCTGTGTATTACTGTGCGAGACATGTATTTTATACCAGCAGCTCGTACTTAGGAGACTACTTTGACTA CTGGGGCCACGGAACCCTGGTCACCGTCTCCTCAG
003	p93w127		<i>IGHV</i>	CAGGTCCAACCTGGTGCAATCTGGGGCTGAGGTGAAGAAGCCTGGGTCCCTCGGTGAAGGTCTCCTGCAAGGCTTCTGGAGGCACCTTCAGCAGC TATACTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGCTAGGATCATCCCAAGTCTTGGTATTATAAACACCGCACAGA ACTTCCAGGGCAGAGTCACGATTACCGCGGACAGATCCACGAGCACAGCCTACATGGAGCTGAGCGGCTGAGATATGAGGACACGGCCGTGT ATTACTGTGCGAATGTCGGTGGCGGTGGCTGGGCAGATCCTTTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTCTTCAG
003	p93w14		<i>IGHV</i>	GGTGATTATACTATGAGCTGGTCCGCCAGGCTCCAGGAGGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAAGCTTATGGTGGGACAACA GAATACGCCGCTCTGTGAAACACAGATTACCATCTCAAGAGATGATTCCAAAAGCATTGCCTATCTTCAAATACACAGCCTGACAACGGAGGA CACAGCCGTGTATTACTGTACTAGAGATCTGACTCTGGTCCGGGAGTAATTAGAGAATACTACTTTGACTACTGGGCCAGGGAACCCTGGTCAC CGTCTCCTCAG
003	p93w143		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAAGTCCCTGAGACTCTCCTGTGCAGGCTCTGGATTCACCTTCAGTAGT TATGGCATGCACTGGTCCGCCAGGCTCCAGGCAAGGGCTGGAG
003	p93w145		<i>IGHV</i>	TATGCTGCCTCTGGATTACCTTCAGTAGTTTTGCTATGCACTGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATCAT ATGATGGAAGCAATAAGTACTACGCAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACACTGTATCTGCAAATGAAT AGTCTGATACCTGAGGACACGGCTGTGTATTACTGTGCGACCCACCGAGGGGGTGGTCTGGAAGTAGCTGCCTCCCTGACTACTGGGGCCAG GGAACCCTGCTCACCCTCCTCAG
003	p93w146		<i>IGHV</i>	TCTTGAATACATTGGGTGCGCCAGGCCCGGACAAAGCCTTGAGTGGATGGGATGGTTCAACGCTGGCAATGGCAACACAGAATATTCAGAG AAGTTCAGGGCAGAGTACCATTACAGGGACACTCCGCGAGCACAGCCTACTTGGAGCTGAGCAGCCTGAGATCTGAAGACACGGGTTTTT ATTACTGTGCGATTATAGTTCCGGGAGTTACTACCTACTGGGGCAGGGAACCCTGGTCACCGTCCCTCAG
003	p93w15		<i>IGHV</i>	GAGGTGCAGTTGTTGGAGTCTGGGGGACGTGTGGTCCGCGGGGGGCTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCAAGTTTGACGATT TTGCCATGATCTGGGTCCGCCAAGTTCAGGGAAGGGGCTGGAGTGGGTCTCTACCATTTACTGGAATGGTGTGATTCCGGTTATGAAGACTC TGTGAAGGGCCGATTACCGTCTCGAGAGACAACGCCAGGAACCTCCCTGTATCTGCATATGAACAGTCTGAGAGCCGAGGACACGGCCTCTAC TATTGTGCGCGGAGAAAGAGGAGGTGTAATGACTTTGACTTCTGGGGCCAGGGGACCCTGGTCACCGTCTCCTCAG
003	p93w159		<i>IGHV</i>	GAGATGCAGTTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGCCAGTCCCTGAGACTCTCCTGTGCAGCCTCCGGATTTACATTTAGTAAAT ATTGGATGAATTGGATCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGG
003	p93w162		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGGCGTCCCTGAGACTCTCCTGCACAGCATCTGGATTCACTTTTGGTAT TATGCTGTGAGCTGGTTCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAAGGTTATGGTGGGACAACAGAATAC GCCGCGTCTGTGCAAGGCAGACTCACCATCTCAAGAGATGATTCCAAAAGCATCGCCTATCTGCAAATGAACGGCCTGAGAACCGAGGACACAG CCGTATATTTTTGTACAAGATTTCTGGTCTCGAAGTATGGCCTCCCTTACTGGTACTTCGATCTCTGGGGCCGTTGGCACCTGGTCACTGTCTCC TCAG
003	p93w163		<i>IGHV</i>	CAGGTGCACCTGCAGGAGTCCGGGCCAGGACTGCTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTACTCCATCAGCAGT GGTGGTTACTACTGGAGTTGGATCCGCCAGCACCCAGGGAAGGGCCTGGAGTGGATTGGGTACATATATTATAGTGGGAGCACTTACTATAACC CGTCCCTCAAGAGCCGAATTAGGATTTTCACTAGACACGTCTAAGAACCAGTTCCTCCCTGAACCTGACTTCTGTGATTGCCGCGGACACGGCCGT TTATTATTGTGCGAGAGACAAAGGTTGTACTAGTAACAAATGCGATGAGCGGGGAGCCCATGAAATCTGGGGCCAAGGGGAGTGGTCACCGTC TCTTCAG
003	p93w168		<i>IGHV</i>	CTGGCAGTGATATCATTGATGGAGGTAACAAATATTATGCAGAGTCCGTGAAGGGCCGATTACCATCTCCAGGGACAATTTAGGAACACACT GTATCTACAAATGAACAGCCTGACAGCTGAGGACACGGCTGTGTATTATTGTGCGAAAAGTTACGTCTATTACTATGATAGTAGTGGAGACTATGA TGCTTTGATATCTGGGGCCAGGGACACCGGTACCGTCTCTTCAG



003	p93w17		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGTATT GGTGATTACTACTGGAGTTGGATCCGCCAGCCCCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTATTACAGTGGGAGCACCTACTACAAC CCGTCCTCAAGAGTCGAGTTACCTTATCATTAGACACGTCCAACAACCAGGTCTCCCTGAAACTGAGCTCTGTGACTGCCGACACACGGCCG TGTATTACTGT
003	p93w174		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCCTGTACAACCTTGGATTACCTTTGGTGT TATACTATGAGCTGGTTCGCCAGGCTCCAGGGAGGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAAGCTTATGGTGGGACAACAGAATAC GCCGCGTCTGTGAAACACAGATTACAGCATCTCAAGAGATGATTCTAAGCGCATTGCCTATCTGCAAATACACAGCCTGACAACCGAGGACACAG GCATGTATTACTGTACTAGAGATCTGACTCTGGTCCGGGAGTAATTACAGAATACTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTC TCCTCAG
003	p93w175		<i>IGHV</i>	CAGGTACACCTTGAAGGAGTCTGGTCTGTGCTGGTGAACCACACAGAGACCCTCACGCTGACCTGCACCCTCTCTGGCTTCTCACTCAGTAATT CTAGAATGGGTGTGAGCTGGATCCGTGAGCCCCCGGAAGGCCCTGGAGTGGCTTGCACACATTTTTTCGAATGACAAAAATCTTACAGCAC ATCTCTGAAGAGCAGGCTCACCATCTCCAAGGACACCTCCAAAAGCCAGGTGGTCCCTTACCTTGACCAACATGGACCCTGTGGACACAGCCACG TATTACTGTGCACGGATCCCGACCTTGAGTGGTGGGGGGCTTTTGATATCTGGGGCCTAGGGACAATGGTCACCTTCTCTTACG
003	p93w177		<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCCTGTACAACCTTGGATTACCTTTGGTGT ATACTATGAGCTGGTTCGCCAGGCTCCAGGGAGGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAAGCTTATGGTGGGACAACAGAATACG CCGCGTCTGTGAAACACAGATTACAGCATCTCAAGAGATGATTCTAAGCGCATTGCCTATCTGCAAATACACAGCCTGACAACCGAGGACACAGG CATGTATTACTGTACTAGAGATCTGACTCTGGTCCGGGAATAATTAGAGAATACTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCT CCTCAG
003	p93w178		<i>IGHV</i>	CAGGTTACAGCTGGTGCAGTCTGGAGAAGAGGTGAAGAAGGCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTACACCTTAACCACC TATGGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATTGATCAGCGACTACAATGGTAAAGACGGACTATGGACAG AAGTTCACGGGCAGAGTCACCATGACCACAGATACATCCACGAACACAGCCTACATGGAGCTGAGGAGCCTGAGATCTGACGACACGGCCGTG TATTACTGT
003	p93w185		<i>IGHV</i>	GCTTCACTTATTACGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCACTTATCTCATATGAAGGAAATAATAAGCA CTATGCAGACTCCGTGAAGGGCCGCTTACCATCTCCAGAGACAATCCAAAGAACACACTGTATCTGCAAATGAACAGCCTGACAGCTGAGGAC ACGGCTGTGATTACTGTGCGAAAGATGCCTACAGTAACTACTCGCCCCACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w187		<i>IGHV</i>	GAGGTGCAACTGGTGGCGTCTGGGGGAGGCTTGGTCCAGCGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCGTCAAGAACGC GTACTTGACGTGGTTCGCCAGACTCGAGGGCTGAGGCTGGAGTGGGTCTCTGCTATGTATAGCGGGCGTTATTCATACTACGCAGACTCCGTG AAGGGCCGGTTCACCATCTCCAGAGACAGTCCAGTAAACACACTGTTTCTTCAAATGGACAGCCTGCGACCTGAGGACACGCTGTGTCTACTACTG TCCGAGAGGGCTCGTCTACCAACAGCTGCCCTTTGACTACTGGAGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w191		<i>IGHV</i>	CGTATTAATAGTGATGGGAGTGATAACAACCCACGCGGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAAAACACGCTGTATC TGCAAATGAACAGTCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGAGACCCAGGGGCTGTAGTGGTGGTAGGTGCTCCAACCTTGACTA CTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w193		<i>IGHV</i>	CAGATCACCTTGAAGGAATCTGGTCTATGCTGGTGAACCACACAGACCCTCACGCTGACGTGCGCCTTCTCTGGATTCTCACTCAGCACTC GTGGAGAGGGTGTGGCCTGGATCCGTGAGCCCCAGGAAGGCCACTGGAGTGGCTTGCACTTCTTTCTTACAGATAATATTAAGAGTTACAGCCC ATCTCTGAAGAACAGGCTCACCATCTCCAAGGACACCTCCAAAAGCAGGTGACCCTTTCATGACCAACATGGACCCTATGGACACAGCCACAT ATTTCTGTGTCGGGAAGTGTGCGGGTATTGATTATCGGAGTCAATTATTATGGAATACGATTTCGACCCTGGGGCCAGGGAACCCTGGTGC CCGTCTCCTCAG
003	p93w2		<i>IGHV</i>	AAGTGAAGAAGCCTGGGGGCTCAGTGAAGGTCTCCTGCAAGGCCTCTGGTTATAGTTTACCAGCTATGGTGTACCTGGGTGCGACAGGCC CTGGACAAGGGCTTGGTGGATGGGAGGGATCAGCGTTACAATGGTAAACACAACTATGCACAGAAGTCCAGGGCAGAGTACCATGACCA CAGACACATCCACGAGCACAGACTACATGGAGCTGAGGAGCCTGAGATCTGACGACACGGCCGTGATTTTTGTGCGAGAGAAGTTCGGGGAG TTATTACCTACTGGGGCCAGGGAACCCTGGTCAGCGTCTCCTCAG
003	p93w21	22	<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCGGGCCCCAGGAATGGTGAAGCCTTCGGAGACCCTGTCCCTCACTTGCAGTGTCTCTGGTGGCTCCATCACCAGT AGTAGTTATTACTGGGCCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTTTCTATTATAGTGGG
003	p93w26		<i>IGHV</i>	GAGGTGCAACTGTTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCCTAAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGCTT TGACATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTCGAGTGGGTGCGAAGTATTAGTGGTCTGGTGCGAACACATACTACGCAGACTC CGTGATGGGCCGTTCACTATCTCCAGAGACAATCCAAAGAGCACGCTGTTTCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGAT TATTGTGCGAAAGGAATGTACGATTTTTGGCAGTGGGGCCAGGGAACCCTGGTCACCGTCTCGTACG

003	p93w3		<i>IGHV</i>	AAACTCTGTCCCTCACCTGCACTGTCTCTGGTGCTCCATCAGCAGTAGTAGTTTCTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAATATCTATTATAGTGGGAGAACCAACTACAGCCCGTCCCTCACGAGTCGAGTCTCCATATCCGTAGACACGTCCAAGAAC CAGTTCTCCCTGAAGCTGCGCTCTGTGACCCGCCGACACACGGCTGTGTATTACTGTGCGAGACATTCAGATTACAATGTTTTGAGTGATTACCA CAGGCCGAGACTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w30		<i>IGHV</i>	CGACAGTGGTGCTTGAAGTGGATCAGGCAGTCCCATCGAGAGGCCCTTGGAGTGGCTGGGAAGGACATACTACAGGTCCAAGTGGTATAATGA TTATGCAGTATCTGTGAAAAGTCAATAACCATCAACCCAGACACATCCAAGAACCAGTTCTCCCTGCAGCTGAACTCTGTGACTCCCGAGGACA CGGCTGTATATTATTGTCAAGAGGGTGGCTACGATTCCGGCTTTGAATACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w35		<i>IGHV</i>	CAGTGGCTATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAATGGGTGGCGCTTATATCATATGATGGAAACCTTAAATACTTC GCAGACTCCGTGAAGGGCCGATTCCACATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAGTGAACAGCCTGAGAGCTGAGGACACG GCTGTGTATTACTGTGCGAGAGATCACTACAGCACCTCGTCCCCCACTTTGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w37		<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGCGTCCCTGAGAATCTCCTGTGCAGTGTCTGGGCTCCCTTCAGGAG CTATGGCATGCACTGGTCCGCCAGGCTCCAGGCAAGGGGCTAGAATGGGTGGCAGCGATATGGTATGATGGAAATACTAAAGAATATGCAGA CGCCGTGAAGGGCCGATTCCACATTTCCAGAGACAATTTCCAGAACACGCTGTATCTGCAAAATGAACAGCCTCAGAGCCGAGGACACGGCAATG TATTACTGTGCGAGAAATATTGCAGCCGCTGGAACCCTTGACTATTGGGGCCAGGGAACCCTGGTCACTGTCTCCTCAG
003	p93w47		<i>IGHV</i>	CAGGTTCACTGGTGCAGTCTAGAGCTGAGGTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCCTCTGGATATACCTTTACCAGCT ATGGTGCACCTGGGTGCGACAGGCCCTGGACAAGGGCTAGAGTGGATGGGAGGGATCAGCGTTACAATGGTGACACAACTATGCACAGA GGGTCCAGGGCAGAGTCAACATGACCACAGACACATCCACGAGCAGACTACATGGAGCTGAGGAGCCTCAGATCTGACGACACGGCCGTGT ATTTCTGTGCGAGAGAAGTTCGGGGAGTTATTAGCTACTGGGGCCAGGGAACCCTGGTCACTGTCTCCTCAG
003	p93w48		<i>IGHV</i>	CAGGTGCAGCTCCAGGAGTCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCGCCAGT GGTGCTTACTACTGGACCTGGATCCGCCAGTACCCAGGGGAGGGCCTGGAGTGGATTGGCCACATCTTTATACTGGGGCCACCAACTACAAC CCGTCCCTCAAGAGTCGACTTACCATCTCGTTAGACACGTCTAAGAATCACTTCTCCCTGAGCCTGAGCGCTGTGACTGCCGCGGACACGGCCG TGTATTTCTGTGCGAGAGGAAACAAGTATACCAACACCTATTTATATAGCCCTGAGGCTTTTGATATCTGGGGCCAAAGGACAATGGTCACCGTC TCTTCAG
003	p93w5		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGTAGT TACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGCATATGTCTATTACAGTGGGAGCACCAACTACAACCCCTCC CTAAGAGTCGAGTCAACATTTTCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAACTGAGCTCTGTGACCGCTGCGGACACGGCCGTGATT ACTGTGCGAGAGAGTTCCGGGTTATCGGTTTCGTTCCAGCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w51		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAACAGT GGTCACTACTACTGGAGTTGGATCCGCCAGCCCCAGGGAAGGGCCTGGAGTGGATTGGTACATCTATTACAGTGGGAGCACC
003	p93w55	23	<i>IGHV</i>	GCCTCTGGATTCACTTTTCAGTAAAGCCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTTAAAGCAAA ACTGATGGTGGGACAACAGACTACGCTGCACCCGTGAAAGGCAGATTCACCATCTCAAGAGATGATTCAAAAAACACGCTGTATCTGCAAAATGAA CAGCCTGAAAACCGAGGACACAGCCGTGTATTACTGTACCACAGCGGCTAATTACGATTTTTGGAGTGGTTACTACTACGGTATGGCGTCTGG GGCCAAGGGACCACGGTACCGTCTCCTCA
003	p93w59		<i>IGHV</i>	CAGGTACCTTGAAGGAGTCTGGTCTGTGCTGGTGAACCCACAGAGACCCTCACGCTGACCTGCACCGTCTCTGGATTCTCACTCAGTCATG GTACAATGGGTGTGACCTGGATCCGTGACACCCAGGGAAGGCCCTGGAGTGGCTTGCACACATTTTCCCACTGACGAAGAAGCCTACAGGA CATCTCTGAGGAGTAGGCTCAGCATCTCCAAGGACAGCTCCAAAAGCCAGGTGGTCTCTCCATGACCAACATGGAGGCCGCCGACACAGCCA CATACTACTGTGCACGAGTAGGATTCAATCTTTGGGGTGGCTATTTACCGCATGATTCTTGGGGCCAGGGAATCCTGGTCACCGTCTCCTCAG
003	p93w6		<i>IGHV</i>	CGGGTGCAGCTGGTGAATCTGGGTCTGAGTTGAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGATACAGCTTCACTAACT ATGTTATCAATTTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGATGGGATGGATCAACACCAACTGGGAATCCAATGTATGCCCAGG GCTTACAGGACCGTTTTGCTTCTCCTTGGACACCTCTGTGACGACGGCATATGTGCAGATCAGCAGCCTAAAGGCTGAGGACACTGCCGTGTA TTAAGTGTGAGAGTCCACTGTATTAGTATTAGCTGCCATACTACGGAAGTTGCTTTTGATATCTGGGGCCAAAGGACAATGGTCACCGTCTCTT CAG
003	p93w62		<i>IGHV</i>	CAAGTCCAGCTTGTGCAGTCTGGGGCTGAGGTGAGGAAGACTGGGGCCTCAGTGAAGTTTTCTGCAAGGCTTCTGGATACAGCTTCACTACCT ATGGAATGCATTGGGTGCGCCAGGCCCCCGGACAAGGCTTGGAGTGGATGGGATGGTTCAACGCTGCCACTGGTTACACAGAATATTCACAGAA GTTCCAGGGCAGAGTCAACATTACCAGGGACACATCCGCGACTACTGCCTATATGAACTGAGCGGCCTGAGATCTGAAGATTCCGGCTGTGTAT TATTGCGCCTCTGTGGTTCCGGGGAGTTATTACTTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG

003	p93w69	IGHV	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCTCAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCTATCAGCAGTGGTGATTCCCTACTGGAGTTGGATCCGCCGGCCCCAGGGAAGGACCTGGAGTGGATTGGGTACACCTCTTACAGCGGGAGCACCTACTACAACCCGTCCCTCCAGAGTCAATATCAGTAGACACGTCCAAGAACCAGTTCTCTCTGAAGATGACCTCTGTGACTGCCGCAGACACGGCCGTGTATTCTGTGCCAGAGGGACGGATTGTGTGAATGGTGTATGCTCTTATTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCCCAG
003	p93w7	IGHV	ACCCGGTATGGTATCGTCTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGGTGGGATGGATCAGCGATTACAATGGCGACACAAACTACGCACAGAACCTCCAGGGCAGAGTCACCTTGACCACAGACACATCCACGAGCACAGCCTATATGGAGCTGCCGAGCCTGAGATCTGACGACAGGCCCTGTATTACTGTTTCGAGTCTGGTTCGGGGAGTTATTGGGGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w8	IGHV	CAGGTACAGCTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCCTCGCAGACCCTCTCACTCACCTGTGCCATCTCCGGGGACAGTGTCTCTAGCAACAGTGTTCCTGGACCTGGTTCAGGCAGTCCCCATCGAGAGGCCTTGAGTGGCTGGGAACGACATACTACACGTCCAAGTGGTATAATGATTATGCACGATCTGTGAAAAGTCAATAGCCATCAACCCAGACACATCCAAGAACCAGTTCTCCCTGCAACTGAAGTCTGTGACTCCCGAGGACACGGCTGTGTATTATTGTGCCAGAGGACTCTATAGTTCGGGGAGCTGGTTCGACCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w81	IGHV	CGTGGTCCAGCCTGGGAGGTCCCTGAAAATCTCCTGTGCAGCCTCTGGATTACCTTCAGTCACTATGGCATGCACTGGGTCGCCAGGCTCCAAGGCAAGGGGCTAGAGTGGGTGGCACTGATGTCATATGATGGAAGCAATAAATACTACGCAGATTCCGTGAGGGGCCGATTACCATCTCCAGAGACAATTTCAAGAACACCTTGTATCTTGAATGAATAGTCTGAGAGTTGAGGACTCGGCTGTGTATTTCTGTTTCGAGGGAAACAGATGTATTGCAGTAGTACTAGTTGCATCGTTCTGGGGGTGTCTGGGACGTCTGGGGCCAGGGGACCACGGTCACCGTCTCCTCAG
003	p93w82	IGHV	ATCAGCAGTGTAGTTACTACTGGAGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGTACATCTATTATAGTGGGAGCACCTACTACAACCCGTCCCTCAAGAGTCGAGTCACCATATCAGGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGCGGACACGGCCGTGTATTACTGTGCGAGAGACAAAGTTGTACTAGTAACAAATGCGATGAGCGGGGAGCCCATGAAATCTGGGGCCAGGGGCAGTGGTCACCGTCTCCTCAG
003	p93w83	IGHV	TTTTCACTAGTTATGCTATGCATTGGGTGCGCCAGGCCCCCGGACAAAGGCTTGAGTGGATGGGGTGGATCACCCCTGGCAATGGTGACACAAAATATTCACAGAAGTTCAGGGCAGAGTCGCCATTACCAGGGACACATCCGCGAGCACAGTCTACATGGAGCTGAGCAGCCTGAGATCTGAAGACACGGCTGTGTTACTGTGCGAGGGATGGGGAGGACTACTATTTTTCGGGAGTGGTAAACTGGTTCGACCCC
003	p93w93	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGTTATAGCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATGAGTACTAGTAGTTACATAAATTATGCAGACTCAGTGAAGGGCCGATTACGATCTCCAGAGACAACGCCAAGAACTCTCTGTATCTGCAAATGAACAGTCTGAGAGCCGAGGACACGGCTATATATTACTGTGCGAGAGTAGGGGGATTTGGATATTGTAGTGGTGCACGCTGCCCTGATCTTGACTCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p93w97	IGHV	ATTCCTACTGGAGTTGGATCCGCCGGCCCCAGGGAAGGACCTGGAGTGGATTGGGTACACCTCTTACAGCGGGAGCACCTACTACAACCCGTCCCTCCAGAGTCAATATCAGTAGACACGTCCAAGAACCAGTTCTCTCTGAAGATGACCTCTGTGACTGCCGCAGACACGGCCGTGTATTTCTGTGCCAGAGGGACGGATTGTGTGAATGGTGTATGCTCTTATTTTGACAATGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p94w100	IGHV	GAGATGCAGCTGGTGGAGTCTGGGGGAACCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTAGATTCACTTTCAGTAGGGCCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCATATTTAAAGCAAAGTGTATGGTGGGACAACAGATTACGCTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAATATGCTGTATCTGCAAATGAACACCCTGAAAACCGAGGACACAGCCGTTTATTACTGTACCACCGCCCGTGGTGTAGTAGAACCAGCTGCTTGGGCTACTACTACTTAGGTTTGGACGCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
003	p94w101	IGHV	CAGGTTCAAGTTGGTGCAGTCTGAAGCTGAGGTGAAGAGGCCTGGGGCCTCAGTGAAGGCTCCTGCAAGGCTTCTGGTTACACCTTTACCAGCTATGGTGTACCTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGGTGGATCAGCGCTTACAGTGGTAACACAAATTATGCACAGAAGCTCCAGGGCAGAGTCACCATGACCACAGACACATCCACGAGCACAGCCTACATGGAGTTGAGGAGCCTGAGATCTGACGACACGGCCGTCTATTACTGTGCGAGAGATTTGGGGTATTACGATTTTTGGAGTGGCCCTATACGGGACGTCTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA
003	p94w104	IGHV	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTTATTATCATATGCACTGGGTCCGCCGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATCTGATGAAAGCATTAAATTTTACTCAGATTCCGTGAAGGGCCGACTCACCATTTCCAGAGACAATTCAGAACACGCTCTATCTGCAAATGAACAGCCTTAGACCTGAGGACACGGCTGTCTATTACTGTGCGAGAGAAAGGGGTAGCAGTGGCCGGGCGGATACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p94w108	IGHV	GAGGTGCAGCTGGTGGAGTCTGGAGGAGGCTTGATCCAACCTGGGGGGTCCCTGAGACTCTCCTGCGCAGCCTCTGGGTTACCGTCACTAGCAACTACATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCACTTATTTATAGCGAGGGTGGCAGACACTACGCAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACACCTCCAAAAACACGGTGTATCTTCAAATCAACAGCCTGAGAGCCGAGGACACGGCCGTCTATTACTGTGCGAGAAGCCCCGTGGTTATCCCGGGTACTTTGACCACTGGGGCCAGGGAACCCTGGTCTCCGTCTCCTCAG

003	p94w109	<i>IGHV</i>	CAGGTCACCTTGAAGGAGTCTGGTCTGTGCTGGTGAACCCACAGAGACCCTCACGCTGACCTGCACCCTCTCTGGGTTCTACTCAGCAATT CTGGAATGGGTGTGAGTTGGATCCGTCAGCCCCAGGGAGGCCCTGGAGTGGCTTGCACACATTTTTTTCGAATGACGAAAAGTCCTACAGAACAT CTCTGAAGAGCAGGCTCACCATCTCCAAGGACACCTCCAAAAGCCAGGTGGTCTTATTATGACCAACATGGACCCTGTGGACACAGCCACATA TACTGTGCACGGATTGCGTTCGGCAGTGGCTGGGGGTCGGTCAGCCACCTGGGGCCAGGGAACCCTGGTACCCTCTCCTCAG
003	p94w112	<i>IGHV</i>	CATGTGTAGGCTCTGGATTAGTTTCGGTGGCTATCAGATGAACTGGGTCCGCCAGGCTGCAGGGAAGGGACTGGAGTGGATTGCATACATTAG TACTACTACTGGCACCACATACTACGCAGATTCTGTGAAGGGCCGATTTCGCCATCTCCAGAGACAATGCCAAGAATTCACTATTTCTGCAAATGA GTAGCCTGAGAGACGAGGACACGGCTATATATTACTGTGCGAGAGATCCCCGAGCAGGCAGTGGTTCTTTGACCAGTGGGGCCAGGGAACCC TGGTACCCTCTCCTCAG
003	p94w114	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCTGCACAGCATCTGGATTCACTTTTGGTGTAT TATGCTGTGAGCTGGTTCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAAGTTATGGTGGGACAACAGAATAC GCCGCGTCTGTGCAAGGCAGACTCACCATCTCAAGAGATGATTCCAAAAGCATCGCCTATCTGCAAATGAACGGCCGTGAAACCCGAGGACACAG CCGTATATTTTTGTACAAGATTTCTGGTCTCGAAGTATGGCCTCCCTACTGGTACTTCGATCTCTGGGGCCGTGGCACCCTGGTCACTGTCTCC TCAG
003	p94w119	<i>IGHV</i>	GGCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGTGGTGTACTACTGGAGCTGGATCCGCCAGCACCAGGG AAGGGCCTGGAGTGGATTGGGTACATCTATTACAGTGGGAGCACCTACTACAACCCGTCCCTCCAGAGTTCGAGTTAGCATATCAGTAGACACGT CTAAGAACCAGTTCTCCCTGCAGCTGAACCTGTGACTGCCGCGGACACGGCCGTGATTACTGTGCGAGAGAGAAGTACTAGGATATTGTTCAT GGTGATAACTGCTACGCCCAAGTGGTTCGACCCTGGGGCCAGGCAACCCTGGTACCCTCTCCTCAG
003	p94w123	<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGTCCCTGAGACTCTCTGTGCAGCCTCTGGATTCCCCTCAGTAG CTATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCACTTATTTTCATATGATGGGAGTGAATACTACGCAGAC TCCGTGAAGGGCCGATTCTCCATCTCCAGAGACAACCTCAAGAACACGCTGTTTCTGCAAGTCAACGGCCTGAGAGCTGACGACACGGCTGTCT ATTACTGTGCGAGAGCCCCACAGGATTATTACCAAGATAATCGTGGTTATTACCTAACCGTGGGGTGGTTCGACCCTGGGGCCAGGGAACCCTG GTCACCCTCGCCTCAG
003	p94w127	<i>IGHV</i>	GGGGGGTCCCTCAGACTCTCCTGTGTAGGGTCTGGATTCAATTTCCGTGCGTATGGCATACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTG GAGTGGCTGGCAGTGACATCATTGATGGAGGTAACAAATATTAAGCAGAGTCCGTGAAGGGCCGATTACCGTCTCCAGGACAATTTTCAGGA ACACTCTATCTGCAAATGAACAGCCTGACAGCTGAGGACACGGCTGTGTATTATTGTGCGAAAAGTTACGTCTATTACTATGATAGTACTGGA GACTATGATGCTCTTGATATCTGGGGCCGAGGGACACCGGTACCGTCTCCTCAG
003	p94w129	<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACACTGTCCCTCACCTGCGCTGTCTATGGTGGGTGGTTCAGTGGT GACAACCTGGAGCTGGATCCGCCAGGCCCCAGGGAAGGGGCTGGAGTGGATTGGGGAAGTCAATCATAGTGGAAACCATCAATTTCAACCCGTCC CTCAAGAGTCGAGTCACCATGTCAGTAGACACGTCCAGGAATCATTCTTCTTGAACCTGAGCTGTGACCCGCCGCGGACACGGCTGTGTATTA CTGTGCGAGAGGAGTGCGGGGAGTTATTTGTGAGGTCTGGGGCAAGGGCAACCAGCTACCGTCTCCTCAG
003	p94w135	<i>IGHV</i>	CGTCTGGATTACAGCTTACGTAACATGACATTCAGTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATATGGTATGATGG ATATAATAAATACTATGCAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTTCAAGAACACGCTGTATCTGCAAATGAACAGCCTGA GAGGCGAGGACACGGCTGTGTATTACTGTGCGAAAACAACTCGTATAACAGTGGCTGGACGGGAGTACTACTTTGACTACTGGGGCCAGGGAA CCCTGGTACCCTCTCCTCAG
003	p94w136	<i>IGHV</i>	CAGGTTACAGCTGGTCCAGTCTGGAGCTGAGGTGAAGAAGCCTGGGGCCCTCAGTGAAGGTCTCCTGCAAGGCTTCTGGTTATACCTTTACCAGCT ATGGTATCAACTGGGTGGCAGAGGCCCTGGACAAGGACTTGAGTGGCTGGGATGGATCAGTGAATTACGATGGTAAGACACACTATACACAGAA ACTCCAGGGCAGAGTCAACATGACCACAGACACATCCAGCAGCACAGCCACCTGGAGCTGAGGAGCCTGAGATCTGACGACACGGCCGTTTA TACTGCGCGAGTTTGGTTCGGGGAGTTATTGGGGACTACTGGGGCCAGGGAACCCTCGTACCCTCTCCTCAG
003	p94w14	<i>IGHV</i>	CAACTGCAACTGCACGAGTCCGGCTCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCACCGGT GGTAGTACTCCTGGAACCTGGATCCGGCAGCCACCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTATCAGACTGGCGGTACTTATTACAACC CGTCTTGCAGAGTCGAGTCACCATATCAGTGGACAGTCCAAAGAACCAGTTCTCCCTGAACCTGAGGTCTGTGACCCGCCGCGGACACGGCCG TGTATTTCTGTGCCAGAGGCGGCCCTTAGCAAACCTGTTGGTGGTGAATTGCAATCGGTGGTTCGACCCTGGGGCCAGGGAGCCCTGGTACCCT TCTCCTCAG
003	p94w144	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCTGTACAGCTTCTGGATTACGCTTTGGTGTAT TATGCTATGAGCTGGTTCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTCATTAGAGCCAAACCTTATGGTGGGACAACAGAATAC GCCGCGTCTGTCAAAGGCAGATTACCATCTCAAGAGATGATTCCAACAGCATCGCCTATCTGCAAATGAACAGCCTGAAAACCCGAGGACACAG CCGTCTATTACTGTACTAGAGATCTGACTATGGTTCGGGGAGTTATTACAGAG

003	p94w146	IGHV	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCACGGACCCTGTCCCTCACCTGCACTGTCTCTGGTGACTCCATGACCACT CATGATAGATTTTGGAGTTGGGTCCGCCAGCCCCAGGGGAGGACCTGGAATGGATTGGGTACATCTCTTACAGTGGGACCAACTCCTACAACC CGTCCCTCAAGAGTCGAGTTGCCATATCAGCAGACACGGCCATGAACCAGTTCTCCCTGAACCTAAATTCTGTGACTGCCGCAGACACGGCCGT GTATTATTGTGCAGAGGCCGTGGGTTTTACCATGGTAGAAGTGGTATTGGCTTGACCAGTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA G
003	p94w15	IGHV	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGAATTCCTCAGTGATT ATAAGTGGACCTGGATCCGCCAGAGCCCAGGGATGGGGCTGGAATTACTTGGCGAAATCAGTCATAGTGAAGTACCATCTACAACCCGTCCT CAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTGTCCCTGAAATTGAGGTCCGTGACCGCCGCGGACACGGCTGTATATTAC TGTGCGAGAGGTGATGTCTCAGTTGCAGGTGCTATGCCAAAACCCGAAATTTGACTATTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p94w159	IGHV	AGCAGTTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGTCCCTGAGACTCTCTGCGCAGCGTCTGGGTTGACTTCAATGGTTATG GCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTTATCTGGCATGATGGAAGTAAATGAGGATTATGGGGACTCC GTGAGGGGCCGATTACCATCTCAGAGACAATCCAAGAACACGTTGTATTTAGAAATGAATAGCCTGAGACCCGAGGACACGGCTGTGTATTA CTGTGCGAGAGACTATCATCACAGGAGCTTTGACTTTTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p94w162	IGHV	GAGGTGCAGCTGTTGGAGTCTGGGGGAGGCTTGGTACAGCCGGGGGGTCCCTGAGACTGTCCTGTGCAGCCTCTGGATTACCTTTAGCAGCT ATGCCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCGGAGTGGGTCTCAGGTATTAGTGGTAGTGGTGGTAGCACATTTCTACGCAGACT CCGTGAAGGGCCGGTTCACCATCTCCAGAGACAATCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTATA TTACTGTGCGAAGCGCCTTGAGGGGGCGGTAGTACTACCAGCTGCTACACGTGACGGGTACCCTACTTCGGTATGGACGTCTGGGGCCAAGG GACCACGGTACCGTCTCCTCA
003	p94w168	IGHV	GAGGTGCAGTTGATGGAGTCTGGGGGAGCCTTGGTAGAGCCAGGGCGGTCCCTGAGACTCTCTGCACATCTTCTGGATTACCTTTGGTGATT ATGCTATGACCTGGTTCGCCAGGCTCCGGGGAAGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAATCTTATGGTGGGACAACAGAATACG CCGCGTCTGTGGAAGGCAGATTACCATCTCAAGAGATGATTCCAAAAGCATCGCTATCTGCAGATGAACAGCCCGAAAACCGAGGACACAGC CATGTATTTCTGTTCTCGATTCTGGTCTCGCCGTATGGCGTCCCTTACTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCT CAG
003	p94w17	IGHV	GAAGTGCACCTGGTGGAGTCTGGGGGAGGCTTGGTTCAGCCTGGCAGGTCCCTGAGACTCTCTGTGCAGCCTCTGGATTACCTTTGATGATT ATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTGGAATAGTGGTTATATAGGCTATGCGGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTCCCTATTTCTGCAAATGAACAGTCTGAGAGCTGAGGACACGGCCTTCTA TTACTGTGCAAGAGATAGGGGTCAAAGTGAAGTACTGGTGGACCTTTGACTCCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
003	p94w172	IGHV	CTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCAGCAGTGGT GGTTTCTCTGGAGCTGGTCCGGCAGCCAGGGAAGGGCCTGGAGTGGGTACATCTCTCGTGGGAGCACCCACTACAACCC GTCCCTCAAGAGTCGAGTCACCATATCGGTAGACAGGTCCAAGAACCAGTTCTCCGTGAAGCTGACGTCTGTGACCGCCGAGACACGGCCGT CTATTACTGTGCCAGAGTTAACGATTTTTGGAGTGGCTCCCATATACGTGGTATTTGATATCTGGGGCCGTGGCACCCCTGGCCACTGTCTCT CAG
003	p94w174	IGHV	GAGGTGCAGTTGGCGGAATCTGGGGGAGGCTTGGTAAAGCCGGGGGGTCCCTTAGACTCTCTGTGCAGCCTCTGGATTCACTTTCTGGAAG GCCTGGATGAGCTGGGTCCGCCAGGTTCCAGGGAAGGGGCGGAGTGGGTTGGCCTTATTAAGCAATGCTGATGGTGGGACGACAGACTA CGTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAAACACGCTATATCTACAAATGAACAGCCTGCAAACCGAGGACAG GCCGTGATTATTGTACCACAGGAGGCCATTGTAGTAGTACCACCTGCCCTCCAGTTACTACTACTTCGGTCTGAACGTCTGGGGCCAGGGA CCACGGTACCGTCTCCTCA
003	p94w175	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTTCACCGGGGGTCCCTGAGACTCTCTGTGCAGCCTCTGGATTGAGCTTCGGTACCCA TAGCATGCACTGGGTCCGCCAGGCTCCGGGGAAGGGGCTGGAGTGGGTTTCATATATTAGTAGTCTACTGGTACCACATACTACGCAGACTCT GTGAAGGGCCGATTACCGTCTCCAGAGACAATGCCAAGAACTCACTGTATCTACAAATGAATAGTCTGCGAGACGAGGACACGGCTGTCTATC ACTGTGCGAGAGGCGCTTGGGGTCCCCACTGGTACTTCGATCTCTGGGGCCGTGGCACTCTGGTCCCTGTCTCTCAG
003	p94w176	IGHV	CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGGAGT GGTGATAACTACTGGAGCTGGATCCGCCAGCACCCAGGGAAGGGCCTGGAGTGGATTGGATACATCTATTACAGTGGGAGCACCTACTACAAC CCGTCCCTCAAGAGTCGAGTTACCATATCATTAGACACGCTCTAAGAACCAGTTCTCCCTGCACCTGAGCTCTGTGACTGCCGCGGACACGGCCG TCTATTACTGTGCGAGAGTGGGATGGATCCCTATCTGGGGCCAAGGGACAATGGTCACCGTCTCTCAG
003	p94w177	IGHV	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTCAGACTCTCTGTGTAGGGTCTGGATTGAGCTTCGGTCCG CTATGGCATAACATTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGCTGGCAGTGACATCATATGATGGAGGGAACAAATATTATGCAGA GTCCGTGAAGGGCCGATTACCATCTCCAGGGACAATTTAGGAACACACTGTATCTACAAATGAATAGCCTGACAGCTGAGGACACGGCTGTG TATTATTGTGCGAAAAGTTACGTCTATTACTATGATAGTACTGGAGACTATGATGCTCTTGATATCTGGGGCCGAGGGACACCGGTACCGTCTC TTCAG

003	p94w178		<i>IGHV</i>	GCAGTAGTAGTTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGGGAGTATCTATTATAATGGTAACACCTACTA CAACCCGTCCCTCAAGAGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGCAGCTGAGGTCTGTGACCGCCGACAGACG GCTGTGTATTACTGTGCGAGACGGGCTGGCTACAATATGGTTTGACTACTGGGGCCAGGGATCCCTGGTACCGTCTCCTCAG
003	p94w18		<i>IGHV</i>	GAGGTGCAGTTGGTGGAGTCTGGGGGAGGCCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTACC TATGGCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGCTGGAGTGGGTCTCATCCATTAGTAGTAGTACTTATATAGACTATGCAGACT CAGTGAAGGGCCGATTACCGTCTCCAGAGACAACGGCAGGACTCTGTATCTGCAAATGAACAACCTGAGAGCCGAGGACACGGCTGTGT ATTACTGTGCGAGAGATGGCCTAATGGTGTATGCTAGTTATAACTTCTCGACCCCTGAGGGCCAGGGAACCTGGTACCCTCTCCTCAG
003	p94w185		<i>IGHV</i>	GGCAGTGATAGTTACTACTGGACGTGGATCCGGCAGCCCCGGGAGGGGACTGGAATGGATTGGGCGTGTATATAGTAGTGACAGCACC AAC TACAACCTCCTTCAAGGGTCGAGTCACCATATCGACAGACACGTCCAAGAACCAATTCTCCCTGAGGCTGAACTCTGTGACCGCCGACAGAC GGCCGTATATTACTGTGCGAGAGAAGTTGTCGTGGTGCCAGCTGTATACGGCCTTACTCCTACTTCTACGGTCTGGACGTCTGGGGCCAAGGG ACCACGGTCACCGTCTTCTCA
003	p94w193		<i>IGHV</i>	CAGGCGCAACTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTCAGACTCTCCTGTGTAGGGTCTGGATTCACCTTCGGTCCG TATGGCATACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGCTGGCAGTGATATCTTTTATGGAGGTAATAAATATTATGCAGAGT CCGTGAAGGGCCGATTACCATCTCCAGGGACAATTTAGGAACACACTGTATCTACAAATCAACAGCCTGACAGCTGAGGACACGGCTGTGTA TTATTGTGCGAAAAGTTACGTCTATTACTATGATAGTAGTGGAGACTATGATGCTCTGGATATCTGGGGCCGAGGGACACCGGTACCGTCTCTT CAG
003	p94w2		<i>IGHV</i>	ATCCATTAGTAGTAGTGCTACTTATATAGACTATGCAGACTCAGTGAAGGGCCGATTACCGTCTCCAGAGACAACGCCAGGAGCTCTCTGTATC TGCAATGAACAACCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGAGAGA
003	p94w20		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGTCACTGCTGGCTCCATCACTAGT TACTACTGGAGCTGGATCCGGCAGCCCCAGGGAAGGGACTGGAGTGGATTGGATATATAAATTACAGTGGGAGCACCAACTACCAACCCCTCC CTCAAGAGTCGAGTCACCATATCAGTGGACACGTCCAAGAACCAGCTCTCCCTGAGGCTGAGCTCTGTGACCGCTGCGGACACGGCCATGTATT ACTGTGCGAGAAAATAAGGGTCAACCAGGGGGCTACTACTACTACGGTATGGACGCCTGGGGCCAAGGGACCACGGTACCGTCTCCGCA
003	p94w21		<i>IGHV</i>	CCCCTCAGTAGTTATGCTATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGATGGCTCTTGTCTCATATGATGGAAACAACAAA TACTACACAGACTCCGTGAAGGGCCGATTACCATCTCCAGAGACAATTTCAAGAACACGGTGTATCTGCAAATGAACAGCCTGAGAGCTGAGG ACACGGCTATGTATTACTGTGCGAGAGCCCCAAATGATTATTACAATGATAATATAGGTTATTACCTAACCGTGCAGTGGTTCGACCCCTGGGGC CAGGGGACCCTGGTCACCGTCTCCTCAG
003	p94w25		<i>IGHV</i>	CAGGTTACAGCTGGTACAGTCTGGACCTGAGGTGAAGAAGCCTGGGGCCCTCAGTGAAGGTCTCCTGCAGGGCTTCTGATTACTCCTTTGCCAGAT ATTTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGATTGATCAGCGATTACAATGGTAACACAGAGTATGCACAGAA GTTCCAGGGCAGAGTCACCATGACCACAGACACATCCAGCAGACAGCCTACATGGAGCTGAGGAGCCTCAGATCTGACGACACGGCCGTGTA TTATTGTGCGAGTCTGGTTCCGGGGAGTCAATTGGGGACTACTGGGGCCAGGGAACCTGGTACCGTCCCCTCAG
003	p94w26		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTAACCGTCAGTAG CAACTACATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCACTTATTTATAGCGGTGGTAGTTCATACTACGACACTCC GTGAAGGGCCGATTACCATCTCCAGAGACAATTTCAAGAACACGCTGTATCTTCAAATGAACAGCCTGAGAGTTGAGGACACGGCTGTGTATTA CTGTGCGAGACCTGGAGGGTCTGGGGCCAGGGAACCTGGTACCGTCTCCTCAG
003	p94w3		<i>IGHV</i>	ATTTCACTTACACCTGGATGACCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATTGGCCAGATTAACCAGAAAGTGATGGTGGGA CAACAGACTACGCTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTGAGAAAAACGCTGTATCTGCAAATGAACACCCCTGGAGACC GAGGACACAGCCGTCTATTATTGACTACAGGGCACCGTTATATCAGACCCCTCCACTGGCGGTCTACTACTACGGTATGGACGTCTGGGGCC AAGGGACCACGGTACCGTCTCCTCA
003	p94w30		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCTGGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGTCCATCAGCAGT GGTGGTACTACTGGAGCTGGATCCGCCAGCACCCAGGGAAGGGCCTGGAGTGGATTGGGCACATCTATTACAGTGGGAGCACCTACTACAAC CCGTCCCTCAAGAGTCGGGTT
003	p94w35	24	<i>IGHV</i>	TGGGGGTCCCTGAAAGTCTCCTGTGCAGCCTCTGGGTTACCTTCAGTGGCTCTGCTATGCACTGGGTCCGCCAGGCTCCGGGAAAGGGCT GGAGTGGGTTGGCCGTATTAGAACC AAAAGCTAACAATCACGCGACAGAATATGGTGGGTCGGTGAATGGCAGGTTACCATCTCCAGAGATGAT TCAAACAACACGACGTATCTGCAAATGCACAGCCTGAAAACCGAGGACACGGCCGTGTATTATTGACTAGACCCTCTGCTTCGGGGAGTCTCTC GGACTACGCTATGGACGTCTGGGGCCAAGGGACCACGGTACCGTCTCCTCA
003	p94w44		<i>IGHV</i>	CAGGTGCAGGTGGTGCAGTCTGGAGCTGAAGC GAAGAAGCCTGGGGCCTCAGTGAAGGTCTCCTGCAAGTCTTCTGGTTACACCTTTACCACCT ATGGTGTCAACTGGGTGCGACAGGCCCCCGACAAGGGCTTGAGTGGATGGGAGGGATCAGCGATTATGATGGTACCACAACTTTGCACAGA AGTTCCAGGGCAGAGTCACCATGACCGCAGACACATCCAGTCAAGCTACATGGAGCTGAGAGCCTGAGATCTGACGACACGGCCGTCT ATTATTGTGCGAGAGGTGGAACCTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTACCGTCTCCTCA

003	p94w46	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCCTGCACAGCATCTGGATTCACTTTTGGTGTATATGCTGTGAGCTGGTTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAAGGTTATGGTGGGACAACAGAATACGCCGCGTCTGTGCAAGGCAGACTCACCATCTCAAGAGATGATTCCAAAAGCATCGCCTATCTGCAAATGAACGGCCTGAGAACCCGAGGACACAGCCGTATATTTTTGTACAAGATTTCTGGTCTCGAAGTATGGCCTCCCTTACTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCTCAG
003	p94w47	IGHV	GACGTGCGGCTGGTGGAGTCTGGGGGAGGCCTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGCATTCACCTTCAGTAGCTATAGCATGAAGTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCATCCATAAGTCGTAAGTACTAGTATTACGTATACTACGCAGACTCAGTGAAGGGCCGATTACCAATTTCCAGAGACACGCCAAGAAGTCACTGTATCTGCAAATGAACAGCCTGAGAGCCGAAGACACGGCTGTGTATTACTGTGCGAGAGAAAAATGGAATAACTGGGGACCCCAAGGGGTTTCAGGTCGATGATGCTTTTGTATGTGGGGCCAAGGGACAATGGTCAACGTCTCCTCAG
003	p94w48	IGHV	GAGGTGCAGTTGGCGGAATCTGGGGGAGGCTTGGTAAAGCCGGGAGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTCTGGAAGGCCTGGATGAGCTGGGTCCGCCAGGTTCCAGGGAAGGGGCGGAGTGGGTTGGCCTTATTAAGCAATGCTGATGGTGGGACGACAGACTACGCTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAAACACGCTATATCTACAAATGAACAGCCTGCAGACCCGAGGACACGGCCGTGATTATTGTATGACAGGAGGCCATTGTAGTAGCACCACCTGCCCTCCAGTTACTACTACTTCGGTCTGAACGTCTGGGGCCAGGGAACACGGTCAACCGTCTCCTCA
003	p94w5	IGHV	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCGGCAGTGATAGTTACTACTGGACGTGGATCCGGCAGCCCGCCGGGAGGGGACTGGAATGGATTGGGCGTGTATATAGTAGTGACAGCACCAACTACAACCCCTTCAAGGGTCGAGTACCATATCGACAGACAGTCCAAGAACCATTCTCCCTGAGGCTGAACTCTGTGACCCGCCGAGACACGGCCGTATATTACTGTGCGAGAGAAGTTGTCTGGTGGCAGCTGCTATACGGCCTTACTCTACTTCTACGGTCTGGACGTCTGGGGCCAAGGGACCACGGTCAACCGTCTTCTCA
003	p94w55	IGHV	GTATCTATTATAATGGGAACACCTACTACAACCCGTCCCTCAAGAGTCGAGTACCATATCCGTAGACAGTCCAAGAACCAGTTCTCCCTGCAGCTGAGGTCTGTGACCCGCCGAGACACGGCTGTGATTACTGTGCGAGACGGGCGTGGCTACAACATATGGTTTACTACTGGGGCCAGGGATCCCTGGTCAACCGTCTCCTCAG
003	p94w59	IGHV	CAGGTGCAGCTGGTGCAATCTGGGTCTGAGTTGAAGAAGCCTGGGGCCTCAGTGAAGGTTTCTGCAAGGCTTCTGGATATGCCTTCACTAGTTATAAGATGAATTGGGTGCGACAGGCCCTTGACAAGGGCTTGAAGTGGATGGGAAGGATCAACACCAACTGGGAGACCACCTATGCCCAGGGCTTACAGGACGGGTTGTCTTCTCCTTGGACACCTCTGTGACAGCGGCATATCTGCAGATCGGTAGCCTAAAGACTGAGGACACTGCCGTTTATTTCTGTGCGCGAGAGGGGTCTATAGCAGCAACTACTACTACTACGATTTGGACGTCTGGGGCCAAGGGACCACGGTCAACCGTCTCCTCA
003	p94w6	IGHV	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGACTCACTTTACAAAACGCCTGGATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTGGCCGTATTAAGGAAATGATGGTGGGACAACAGACTACTGCACCC
003	p94w62	IGHV	TAGCCTCAGGATTCACCTTATAGTGGCTATTGGATGAGCTGGGTCCGCCAGGCTCCCGGAAGGGGCTGGAGTGGGTGGCCAACATAAAGCAAGATGGAAGTCAGAAACATTATGTGGACTCTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAAGTCACTGTCTCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGATTCTTGTGTCAGAGATGCCCCGGGCTGTGACGTGGCTGGTACGATAGTACTACTGGGGCCTGGGAACCTGGTCAACCGTCTCCTCAG
003	p94w7	IGHV	CAGCTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCACCAGTGGTGGTTACTCCTGGAAGTGGATCCGGCAGCCACCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTATCAGAGTGGCAGTACTTATTACAACCCGTCTTGAAGAGTCGAGTACCATATCAGTAGACAGGTCCAGGAACCAGTTCTCCCTGAACCTGAAGTCTGTGACCCGCCGAGACACGGCCGTGATTACTGTGCCAGAGGCCGCCCTTAGCAAAGTGGTGGTGAATGCAATCGGTGGTTCGACCCCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
003	p94w81	IGHV	CAGGTACCTTGAAGGAGTCTGGTCTGTGCTGGTGAACCCACAGAGACCCTCACGCTGACCTGCACCGTCTCTGGTTCTCACTCAGCAATGCTAGAATGGGTGTGACCTGGATCCGTGAGCCCCAGGGAAGGCCCTGGAGTGGCTTGCACACATTTTTTCGAATGACGTGAAATCCTACAGCACATCTCTGAAGAGCAGGCTCACCATCTCCAAGGACACCTCCAAAAGCCAGGTGGTCCCTTACCATGACCAACATGGACCCTGTGGACACAGCCACATATTACTGTGCACGGATACCGACTTTGAGTGGTTGGGAGGCTTTTGATTTCTGGGGCCAAGGGACACTGGTCAACCGTCTCCTCAG
003	p94w82	IGHV	CAGCTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCAGCAGTGGTGGTTTCTCCTGGAGCTGGGTCCGGCAGCCACCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTCTGCTGCTGGGAGCACCCACTACAACCCGTCCCTCAAGAGTCGAGTACCATATCGGTAGACAGTCCAAGAACCAGTTCTCCGTGAAACTGACGTCTGTGACCCGCCGAGACACGGCCGTCTATTACTGTGCCAGAGTTAACGATTTTTGGAGTGGCTCCATTATACGTGGTATTTCGATATCTGGGGCCGTGGCACCCCTGGCCACTGTCTCTCAG

003	p94w83		<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAAGCCAAACAGACCCTCACGCTGACCTGCACCTTCTCTGGGTTCTCACTCAGCGCTG ATGAAATGGGTGTGGGCTGGATCCGTCAGCCCCAGGAAAGGCCCTGGAGTGGCTTGCACCTCATCTATTGGGATGATGATAAGCGCTACAGCC CATCTCTGAGGGGCAGACTCACCATCACGAAGGACACCTCCAAAACCAGGTGGTCCCTTACAATGGCCAACATGGACCCTGTGGACACAGCCAC ATATTACTGTGCACACAGCCGAATACCAATGACTGGTGCCGGCAGACTTTATTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA G
003	p94w93		<i>IGHV</i>	AGTAAAGCCTGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTAGTAAAGCCTGGATGAGCTGGGTCCGCCAGGCTCCAGG GAAGGGGCTGGAGTGGGTTGGCCGATTAATAAGTAAAGTACTGATGGTGGGACAACAGACTACGCTGCACCCGTGAAAGGCAGATTACAGCATCTC AAGAGATGATTCAAAAACACGCTGTTTTCTTCAAATGAACAGCCTGAAAATCGAGGACACAGCCGTATATTACTGTGCCACAGGGGTAACAGCTG TTCCCTACCCGACTATTACTACTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTACCCGTCTCCTCA
003	p94w94		<i>IGHV</i>	CCAGACCCAGGGAAGGGCCTGGAGTGGATTGGGAATATCTATTATAGTGGAAAACCTACTACAACCCGTCCCTCAAGAGTCGAGTCACCATGT CCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACCGCCGACAGACAGGCTGTGTATTACTGTGTTGCGTAAGCTCAGG CACCTGGTACAAGAGGCCTGATGCTTTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTCTTCAG
003	p95w100		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACTTGCAGTGTCTCTGGTGGCTCCATCAGCAGT GCTGGTTACTACTGGAGCTGGATCCGCCAGCACCCAGGGAAGGACCTGGAGTCGATTGGGTACATCTATTACAGTGGGACCACCTTCTACAACC CCTCCCTCAAGAGTCGGGCCACCATATCATTAGACACGTCTAACACCAGTTCTCCCTGAAACTGAGCTCTGTGACTGCCGCGGACACGGCCGT TTATTACTGTGCGAGAGGAGGGTATTGTACGAACAGCTAATTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p95w101	17	<i>IGHV</i>	CAGGTACAGCTGCAGCAGTCAGGTCCAGGAGTGGTGAAGCCCTCGCAGACCCTCTCACTCACCTGTGCCATCTCCGGGGACAGTGTCTCTAGC AACAGTGCTGCTTGAAGTGGATCAGGCAGTCCCCATCGAGAGGCCCTTGGTGGCTGGGAAGGACATACTACCAGTCCAAGTGGTATAATGATT ATGCACTGTCTGTGAAAAGTCGAGTAACAATCAGCTCAGACACATCCAGGAACCAGTTCTCCCTGCAGCTGAACTCTGTGAGTCCCGAGGACAC GGCTGTGTATTACTGTGCAAGAGGGTGGTTGAAACAAGTTTCGCATTTTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p95w104	18	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGTCCATCAGGAGT GGTGATAACTACTGGAGCTGGATCCGCCAGCACCCAGGGAAGGGCCCTGGAGTGGATTGGATACATCTATTACAGTGGGAGCACCTACTACAAC CCGTCCCTCAAGAGTCGAGTTACCATATCATTAGACACGTCTAAGAACCAGTTCTCCCTGCACCTGAGCTCTGTGACTGCCGCGGACACGGCCG TCTATTACTGTGCGAGAGTGGGATGGATCCCTATCTGGGGCCAAGGGACAATGGTCCCTCAGCGTCTCTTCAG
003	p95w108		<i>IGHV</i>	AGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCACCAGTGGTGGTACTCCTGGAAGTGGATCCGGCAGTCACCAGGGAAGGGCC TGGAGTGGATTGGGTACATTTATTATGGTGGGGGCCCTACTACAACCCGTCCCTCAAGAGTCGAGTCACCATGTGAGTCCAGCGGTCCAGAA CCAGTTCTCCCTGAGGCTGACCTCTGTGACCGCCGCGGACACGGCCGTCTATTATTGTGCCGAGCCTCCGGTGGTAACGACAAGTGGATCGA CTCCTGGGGCCAGGGAACCCTGGTCACCGTCCGCTCAG
003	p95w109		<i>IGHV</i>	GGCGTGAAGTGGTGAATCTGGGGGAGGCTTGTATCCAGCCTGGGGGGTCCCTAAGACTCTCCTGTGCAGCCTCTGGAGTCTACGTGAGAAAC ACCTATATGAAGTGGTCCGCCAGGCTCAAGGAAAGGGCTGGAGTGGTCTCCAGTCTCTATCCCAATGGTGACACACACTACACAGACTCCG TGAGGGCCGATTACCATCTCCAGAGACAATTCCAAGAACACGTTGTACCTTCAAATGAATGGTCTCAGGGCCGAGGACACGGCCGTCTTTTA TTGTGTGATAGGACACTATGCCACGCGAGATGGCTGGGGCCAGGGAACCCTGGTCACCGTCTCTTCAG
003	p95w111		<i>IGHV</i>	GAGGTGCAGCTGGCGGAATCTGGGGGAGGCTTGGTAAAGCCGGGGGGTCCCTTAGACTCTCCTGTGCAGCCTCTGGATTCACTTTCTGGAAGG CCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGCCGGAGTGGTGGCCGATTAATAAGCAATGCTGATGGCGGGACAACAGACTAC GCTGCACCCGTGAAAGGCAGATTACCATCTCAAGAGATGATTCAAAAACACGGTTTATCTGCAAATGAACAGCCTGCAAACCGAGGACACGG CCGTGTATTACTGTACCACAGGAGGCCACTGTAGTAGTACACCTGCCCTCCAGTTACTACTACTTCGGTCTGAACGTCTGGGGCCAAGGGAC CACGGTACCGTCTCCTCA
003	p95w112		<i>IGHV</i>	GAGGTGCAACTGGTGGCGTCTGGGGGAGGCTTGGTCCAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCGTCAAGAAC GCGTACTTGACGTGGTCCGCCAGACTCGAGGGCTGAGGCTGGAGTGGGTCTCTGCTATGTATAGCGGCGGTTATTACTACTACGCAACTCC GTGAAGGGCCGGTTCACCATCTCCAGAGACAGTTCCAGTAACACACTGTTTCTTCAAATGGACAGCCTGCGACCTGAGGACACGTCTGTCTACT ACTGTGCGAGAGGGCTCGTCTACCAACAGTGCCTCTTTGACTACTGGAGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p95w113		<i>IGHV</i>	TTCCTATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCGTTTATATCATATAATGGAGGCAATAAATACTACGCA GACTCCGTGAAGGGCCGATTACCATTTCCAGAGACAATTCCAAGAACACGCTGTATGTGCAAATGAACAGCCTGAGACCTGAGGACACGGCTG TTTATTATTGTGCGAGAGATCGGGGGGAAAGCAGCAGCTGGTTTGTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG
003	p95w126		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGTCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGTCCATCAGTAGT TACTACTGGAGTTGGATCCGGCAGCCCCAGGGAAGGGGCTGGAGTGGATTGCGTATGTCTATTACAGTGGGAGCACCAACTACAACCCTCC CTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGTTCTGTAACCCTGCGGACACGGCCGTCTATT ACTGTGCGAGAGAGTTCCGGGTTATCGGTTTCGTTCCAGCCCTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG



003	p95w136	<i>IGHV</i>	CGTGTGTAGGGTCTGGATTGAGCTTCGGTTCGCTATGGCATCCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGCTGGCAGTGACTC CATTGATGGAGGTAACAAATATTATGAGAGTCCCGTGAAGGGCCGATTACCGTCTCCAGGGACAATTTAGGAACACACTGTATCTACAAATG AACAGCCTGACATCTGAGGACACGGCTGTGTATTATTGTGCGAAAAGTTACGTCTATTACTATGATAATACTGGAGACTATGATGCTCTTGATATC TGGGGCCGAGGGACACCGGTACCGTCTCTCAG
003	p95w14	<i>IGHV</i>	GAGGTGCAGTTGATGGAGTCTGGGGGAGCCTTGGTAGAGCCAGGGCGGTCCCTGAGACTCTCCTGCACATCTTCTGGATTACCTTTGGTGATT ATGCTATGACCTGGTTCCGCCAGGCTCCGGGGAAGGGGCTGGAGTGGGTAGGTTTCATTAGAAGCAAATCTTATGGTGGGACAACAGAATACG CCGCGTCTGTGGAAGGCAGATTACCATCTCAAGAGATGATTCCAAAAGCATCGCTATCTGCAGATGAACAGCCCCGAAAACCGAGGACACAGC CATGTATTTCTGTTCTCGATTCTTGGTCTCGCCGATGGCGTCCCTACTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCT CAG
003	p95w145	<i>IGHV</i>	CAGGCGCAGCTGGAGGAGTCTGGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTCAGACTCTCGTGTGTAGGGTCTGGATTACGCTTCGGTTCG CTATGGCATCCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGCTGGCAGTGACTTCATTTGATGGAGGTAACAAATATTATGCAGA GTCCGTGAAGGGCCGATTACCGTCTCCAGGGACAATTTAGGAACACACTGTATCTACAAATGAACAGCCTGACATCTGAGGACACGGCTGTG TATTATTGTGCGAAAAGTTACGTCTATTACTATGATAATACTGGAGACTATGATGCTCTTGATATCTGGGGCCGAGGGACACCGGTACCGTCTCT TCAG
003	p95w15	<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCTACGCTGGTGAACCCACACAGACCCTCAGCTGACCTGCACCTTCTCTGGTTCTCACTCAGCACTA GTGCAGTGGGTGTGGGCTGGATCCGTCAGCCCCAGGAAAGGCCCTGGAGTGGCTAGCACTCATTATTGGGATGATGTTTCAGCGCTACAGCC CATCTCTGAAGAGCAGGCTCACCATCACCAAGGACACCTCCAGAAACCAGGTGGTCTTACAATGACCAACATGGACCCTGTGGACACCGCCAC ATATTACTGTGTACACAGGGCGGGCTATAATTCCGGGGAGAAATGTAGCTTTTGATATCTGGGGCCAGGGGACAATGGTCAACCGTCTCTCAG
003	p95w159	<i>IGHV</i>	CTCCAGTAGTAGTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGGCTGGAGTGGATTGTGAGTCTCCATTACAGTGGGAGCGCCTA CTACAACCCGTCCTCAAGAGTTCGAGTACCATATCCGTTGACACGTCCAAGAACCAGTCTCCCTGAGGCTGAGCTCAGTGACCGCCGACAGAC ACGGCTGTATATTTCTGTGCGAGACAAGTTTACGATCTTTGGAGTCCAACTGGTTTCGATTCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCG CAG
003	p95w162	<i>IGHV</i>	CAGGTGCAGCTGGAGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAATACC TATGCTATGGACTGGGTCCGCCAGGCCCCAGGCAAGGGGCTGGAGTGGGTGGCAGCAATTGCATATGACCGAAGCAGAAAATTTCTACGCAGAC TCCGTGAAGGGCCGACTCACCATCTCCAGAGACAATTCCATGAACACGCTGTATCTGCAGATGGACAGCCTGAGAGCTGAGGACACGGCTGTGT ATTATTGTGTGAGAGATCGCGGATTCCAACTGGGGATAGTGCCTTTGACTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCGTCAG
003	p95w163	<i>IGHV</i>	CAGGTTACAGCTGGTGCAGTCTGGAGCTGAGGTGAAGAGGCCTGGGGCCTCAGTGAGGGTCTCCTGCAAGGCTTCTGGTTACACCTTTAGTAGT TGGGGTATCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGGAGTGGATGGGATGGATCAGCGCTTCCAATGGTTACACAACTATGCACAG AAGTCCAGGGCAGAGTACCATGACCACAGACACATCCACGACAGCCTACATGGAGCTGAGGAGCCTGAGATCTGACGACACGGCCGCTC TATTACTGTGCGAGAGATCCCAATAACTATGATAGATATGGTTACGCGTACTACTTTGACTATTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTC AG
003	p95w168	<i>IGHV</i>	TTGAGTAGCTATGCCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGATATATCATATGGTGAAGGAATAGATACT ATGCAGGCTCCGTGCAGGGCCGATTACCATCTCCACAGACAATCCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGAGTAGACGACAC GGCTGTGTATTACTGTGCGAAGGGCTACGGTGGTAACGATGACTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCCTCAG
003	p95w172	19 <i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCAGCAGT GGTGGTTTCTCCTGGAGCTGGGTCCGGCAGCCACCAGGGAAGGGGCTGGAGTGGATTGGGTACATCTCTCGTCTGGGAGACCCACTACAAC CCGTCCCTCAAGAGTCGAGTACCATATCGGTAGACAGGTCCAAGAACCAGTTCTCCGTGAAGCTGACGTCTGTGACCGCCGACAGACAGGCC GTCTATTACTGTGCCAGAGTTAACGATTTTTGGAGTGGCTCCATTATACGTGGTATTTCGATATCTGGGGCCGTGGCACCCCTGGCCACTGTCTC CTCAG
003	p95w174	<i>IGHV</i>	CAGGCGCAGCTGGAGGAGTCTGGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTCAGACTCTCGTGTGTAGGGTCTGGATTACGCTTCGGTTCG CTATGGCATCCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGCTGGCAGTGACTTCATTTGATGGAGGTAACAAATATTATGCAGA GTCCGTGAAGGGCCGATTACCGTCTCCAGGGACAATTTAGGAACACACTGTATCTACAAATGAACAGCCTGACATCTGAGGACACGGCTGTG TATTATTGTGCGAAAAGTTACGTCTATTACTATGATAATACTGGAGACTATGATGCTCTTGATATCTGGGGCCGAGGGACACCGGTACCGTCTCT TCAG
003	p95w178	<i>IGHV</i>	CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTGCAGCCTGGGAGGTCTCTGAGACTCTCCTGTGCAGCGTCTGGATTACCTTCAGTAATT ATGCCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGATGGCAGTTATTTCCGGATGATGGAAGTTCTAAATCCTATGGAGACTC CGTGAAGGGCCGATTACCATCTCCAGAGATAATTCCAAGAACACATTGTTTCTGCATGAACAGCCTGAGAAGTGGAGACCGGCTATATATC ACTGTGCGAAAAGATCTTCTCGTTTCAAGTGTGTTCTATGACTCCTGGGGCCAGGGAACCCAGGTCACCGTCTCCTCAG

003	p95w184	<i>IGHV</i>	GAGGTGCAGTTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACAGCTTCGGTAGTT ATAGCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTCATACATCAGTAGTAGTGGTAGTCTCATATACTACGCAGACTC TGTGAAGGGCCGATTACCATTCTCCAGAGACAATGCCAGGAATTCAGTGTCTGCAAGTCAACAGCCTAAGAGACGAGGACACGGGTGTGTAT TACTGTACGAGAGATTCCGGGGCTTAGCAGCAGCTGGTACAGTACTGAGGCGCAAGGAAACCCTGGTACCCGCTCCTCAG
003	p95w185	<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCCTGCACAGCATCTGGATTCACTTTTGGTGTAT TATGCTGTGAGCTGGTTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTTATTAGAAAGCAAAGGTTATGGTGGGACAACAGAATAC GCCGCGTCTGTG
003	p95w187	<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGAGGAGGCTTGATCCACCCGGGGGGTCCCTGAGACTCTCCTGTGCGGTCTCTGAGTTCATCGTCAATAACA ACTACATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCGGTTATTTATAGTACTGGCAGCACATATTACGCAGATGCCG TGAAGGGCCGATTACCATTCTCCAGAGACAATCCAAGAAAACGCTGTATCTTCAAATGGACAGCCTGAGAGCCGAGGACACGGCCATGTATTA CTGTGCGAGAGATCCTAGTCTGCGATACTGGGGCCGGGAACCCTGGTACCCTCTCCTCAG
003	p95w191	<i>IGHV</i>	GAGGTGCAACTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTGAGGCTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGT TATAACGTCAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTTTCATACACTACTGGTAGTGGTAGTACCATATACTACGCAGGCT CTGTGAAGGGCCGATTACCCTCTCCAGAGACAATGCCAAGAACTCACTGTATCTGCAAAATGAACAGCCTGAGAGACGAGGACACGGCTATGTA TACTGTGCGAGAGACTATAGTGGGAGCTACGCGGTGATGAATGCTTTTGATATCTGGGGCCAAGGGACAATGGTACCCTCTCTTCAG
003	p95w193	<i>IGHV</i>	AGATGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGAAGTA CTTCTTACTTCTGGGGCTGGATCCGCCAGCCCGAGGGAAGGGGCTGGAGTGGATAGGGCGAGTCTATTCCACTGGGAGCACCGCCTACAACC CGTCCCTCAGGAGTCGAGTACCATTGGCCGAGACATATCCAAGGGCCAGGTCTCCCTGAAGGTGACCTCTGTAAACC GCCGAGACACGGCTG TGACTACTGTGCGAGGGGCCTTAATTACGATTTTTGGAGGGAAAATTATCCAAACCAACTCATACTTTGACTACTGGGGCCCGGGAATCCTG GTCACCCTCTCCTCAG
003	p95w2	<i>IGHV</i>	CAGGTGCAGCTCCAGCAGTGGGGCGCAGGACTCTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGGTGTCTTTGGTAGGTCCTTCAGTGGT TACTCTTGGAGCTGGATCCGCCAGTCCCCAGGGAAGGGACTGGAGTGGATTGGGGATGTCAATCAGAGTGGGAGCGCGAACTACAACCCGTCC CTCAACGGTTCGCGTCAGCATTTTCGTTAGACGCGTCCAAGAAACAGTTCTCCCTGAAGTTAAGTTCTGTGACCGCCGCGGACACGGCAGTATATT ACTGTGCGAGAAATCCTTTCACGGTTTTTGGACGCGATGTTAACCCATTTGACTACTGGGGCCAGGGAACCCTGGTACCCTGTCTCATCAG
003	p95w203	<i>IGHV</i>	CAGGTACAGCTGCAGCAGTCAAGTCTAGGACTGGTGAAGCCCTCGCAGACCCTCTCACTCACCTGTGCCATCTCCGGGGACAGTGTCTCTAGT GCTGCTTGGAACTGGATCAGGCAGTCCCATCGAGAGGCCCTTGAGTGG
003	p95w25	<i>IGHV</i>	GATACTTACTACTGGACTGGATTCCGGCAGCCCGCCGGGAAGGGACTGGAGTGGATTGGGCGTCTCCATCCCAGTGGGAATACCTACTACAAC CCCTCCCTCCAGAGTCGAGTACCATTCTCACATGACACGTCCAGAAACAATTCTCCCTGAGGTTGACCTCTGTGACCGCCGAGACACGGCCG TATATTACTGTGCGAGAGATGGGGAAGGTACCAACGCCGCCCAACTACAAATACGGCATGGACGTCTGGGGCCAAGGGACCACAGTACCAG TCTCGTCA
003	p95w26	<i>IGHV</i>	GACGTGCAGCTGGTGGAGTCCGGGGAAAATCAGTTCAGCCTGGGGAGTCCCTGAGACTCTCCTGTGCTGCCAGTGGATTCCCTTTCAGTAGC TACTGGATGCACTGGGTCCGCCAGGTCCAGGGAAGGGGCTGGTGTGGGTCGCACGTATTAAGGCCGATGGGAGTGAAACACACTACGCTGA CTCCGCGGAGGGCCGATTACCATCTCCAGAGACAACGCCGAGAACAACATTGTATCTGCAAAATGAAGAGTCTGAGACCCGACGACACGGCTGT ATATTATTGTGCAAGAGCGGGAACCTATTTCGGTGTCTGTTCCGGGGCGATCGGTACTTACGATGTGTGGGGCCAAGGGACTACGGTACAGTCTCT TCCG
003	p95w3	<i>IGHV</i>	CAAGGGGCTGGAGTGGATTGGGGAATCCATCATACTGGAAGCACCAACTACAACCCGTCCCTCAAGAGTCGAGTACCATATCAGTAGACACG TCCAAGAACCATTTTTCCCTGAAACTGACCTCTGTGACCGCCGCGGACACGGCTGTTTTATTACTGCGCGAGAGGCCAAACTAGTAGTGGCTGGC TCGGGAACCTGGTTCGACCCCTGGGGCCAGGGAACCCTGGTCCCGTCTCCTCAG
003	p95w30	<i>IGHV</i>	CAGGTCCACCTTGTGCAGTCTGGGACTGAGGTGATGGAGCCTGGGGCCTCAGTGAAGTTTCTGCGAGACTTCTGGATACACCTTCACTACTT ATGTTATACATTGGGTGCGCCAGGCCCGGACAAAGGCATGAGTGGATGGGATGGATCAACACTGGCAATGGTAAACACAAAATATTACAGAA GTTCCAGGGCAGAGTCACTTTACCACGGACACATCCGCGAGCACAGCCTACATGGAGCTGAACAGCCTGAGATCTGCAGACACGGCTGTCTAT TACTGTGCGAGGCAAGAAGAGTTGCGGTATTACGATTTTTGGGATTTATGGTTGACTCCTGGGGCCAGGGAACCCTGGTACCGTCTCCTCAG
003	p95w35	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGCCAGGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCAGTGTCTCTGGTGGCTCCATCAGTAGT TACTACTGGAGCTGGATCCGGCAGCCCGGGGCCGAGGCTGGAATGGATTGCATATGTCTATTATAGTGGGAGCACCAACTACAACCCCTCC CTCAAGAGTCGAGTACCATTTCAGTAGACAGTCCAAGAACCAGTTCTCCCTGAAACTGAGCTCTGTGACCGCTGCGGACACGGCCGTCTATT ACTGTGCGAGAGAGTTCCGGGTTATCGGTTCTGTTCCAGCCCTGGGGCCAGGGAACCCTGGTACCCTCTCCTCAG

003	p95w36	25	<i>IGHV</i>	GAGGTGCAGTTGGTGGAAATTTGGGGGAGGCTTGGTCCAGCCTGGGGGTTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACAGTTTTGATAGC CATTGGATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCAACATAAAGGAAGATGGAAGTGAGAAATACTATGTGGAC TCTGTGAGGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTCTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCTATGT ATTTCTGTGCGAGAGATACAGATAATTTGACTGGTTATTTGACTATTTGGGGCAGGGAACCCCTGGTCACCGTCTCCTCAG
003	p95w37		<i>IGHV</i>	AACTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCCTGTCTCACCTGCGCTGTGTATGGTGGGTCCCTTACAGTGGTTATTACTG GACCTGGATCCGTGAGCCCCCAGGGAAGGGGCTGCACTGGATTGGGGAAATCGATCATAGTGGAAAGCACCATCTACAACCCGTCCCTCAAGAG TCGAGTCACCATATCACTAGACACGTCCAAGAATCAGTTCTCCCTGATCCTGAGCTCTGTGACCGCCGCGGACACGGCTGTGTATTACTGTGCG AGGTATGGTCCGGGGAGTTATCCGGATACTCCTTCGACCCCTGGGCCAGGGAACCCCTGGTCACCGTCTCCTCAG
003	p95w44		<i>IGHV</i>	GAGGTGCGGCTGTTGGAGTCTGGGGGAGGCTTGATACAGCCGGGGGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTAGCAAC TATGCCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCTCAGCTATTAGTGGTAGTGGTGGTGGCACACACTACGCAGAC TCCGTGAAGGGCCGTTCCCATCTCCAGAGACAATCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACTCGGCCGTAT ATTTCTGTGCGAAA
003	p95w46		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCAGGGCGGTCCCTGAGACTCTCCTGCACAGCATCTGGATTACATTTTTGGTGAT TATGCTGTGAGCTGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTAGGTTTTATTAGAAGCAAAGGTTATGGTGGGACAACAGAATAC GCCGCGTCTGTGCAAGGCAGACTACCATCTCAAGAGATGATTCCAAAAGCATCGCCTATCTGCAAATGAACGGCCTGAGAACCCGAGGACACAG CCGTATATTTTTGTACAAGATTTCTGGTCTCGAAGTATGGCCTCCCTTACTGGTACTTCGATCTCTGGGGCCGTGGCACCCCTGGTCACTGTCTCC TCAG
003	p95w47		<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCCACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCAGTCTCTCTGGTTCTCACTCAGCACTA GTGCAGTGGGTGTGGGCTGGATCCGTGAGCCCCCAGGAAAGGCCCTGGAGTGGCTAGCACTCATTTATTGGGATGATGTTTCAGCGCTACAGCC CATCTCTGAAGAGCAGGCTCACCATCTCCAAGGACACCTCCAGAAACCAGGTGGTCTTACAATGACCAACATGGACCCTGTGGACACAGCCAC ATATTACTGTGCCACAGGGCGGGCTATAATTCGGGGAGAAATGTATCTTTTGATGTGTGGGGCCAGGGGACAATGGTACCCGTCTCTTCAG
003	p95w48		<i>IGHV</i>	GAAGTGCAGCTGGTGGAGTCTGGGGGAAACTTGGCACAGCCTGGCAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTGATGATT ATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTGTTAGTTGGAATAGTGGTAAGGTAGGCTATGGGGACT CTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACTCCCTGTCTCTGAAATGAACAGTCTGAGAGCTGAGGACACGGCCTTCTA TACTGTGTAAGAGATAGGGGTCACAGTACTGGTGGACCTTTGACTCCTGGGGCCGGGGAACCCCTGGTCACTCGTCTCCTCAG
003	p95w5		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTAAAGCCTGGGGGGTCCCTTAGACTGTCTGTGCAGCCTCTGGATTACATTCAGTAAC GCCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGATTTAAAAGCAAACTGATGGTGGGACAACAGACTA CGCTGCACCCGTGAAAGGCAGATTACCCCTCTCAAGAGATGATTCAAAAAACATACTGTATCTGCAAATGCACAGCCTGAAAACCCGAGGACACAG CCGTGTATTACTGTACCACAGATCCCGAGTTTACGAGTTTTGAGTGGCGATAGTTGACTTCTGGGGCCAGGGAACCCCTGGTCACTCGTCTCCTC AG
003	p95w51		<i>IGHV</i>	CAGATCACCTTGAAGGAGTCTGGTCCACGCTGGTGAACCCACACAGACCCTCACGCTGACCTGCAGTCTCTCTGGTTCTCACTCAGCACTA GTGCAGTGGGTGTGGGCTGGATCCGTGAGCCCCCAGGAAAGGCCCTGGAGTGGCTAGCACTCATTTATTGGGATGATGTTTCAGCGCTACAGAC CATCTCTGAAGAACAGGCTCACCATCACCAGGGACACCTCCAATAACCAGGTGGTCTTACAATGACCAACATG
003	p95w55		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTAAAGTCTTACAGACCCTGTCCCTCACCTGCTCTGTCTCTGGTGGCTCCGTCAGCAGT GGTAATTACTTCTGGACCTGGATCCGGCAGCCCGCCGGGCAGGGACTGGAGTGGATTGGGCGTGTCCATTCCCGTGGGAGCACCATTACAAC CCCTCCCTCAAGAGTCGAGTCAGCATGTCACTAGACACGTCCAATAACCAGTTCTCCCTGAAGCTGACCTCTGTGACCCGCCGACAGACCGGCCG AATATTTCTGTGCGAGGTATCGCCCCGAACCTGGGGATCCTCTCAATTACTTCTCGGTATGGACGTCTGGGGCCAAGGGACCACGGTCAACCGT CTCCTCA
003	p95w59		<i>IGHV</i>	CCTATGGTATCAACTGGGTGCGACAGGCCCTGGACAGGGGCTTGGAGTGGATGGGATGGATCAGCGATTATGATGGTAACACACACTATGCACA GAAGGTCGAGGGCAGAGTCACCATGACCACAGACACATCCACGAACACAGCCTACATGGAGTTGAGGAGCCTGAGATCTGACGACACGGCCGT GTATTACTGTGCGAGTCTGGTTCGGGGAGTTATTGGGGACTACTGGGGCCAGGGAACCCCTGGTCACTCGTCTCCTCAG
003	p95w6		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCCGGGCCAGGACTGGTGAAGCCTTACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GATGATTACTACTGGGGTTGGATCCGCCAGCCCCAGGGAAGGGCCTGGAGTGGATTGGGCACATCCATTACAGTGGGAGCACCTACGACAAC CCGTCCCTCAAGAGTCGAGTTACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAACCTGAGCTCTGTGACTGCCGACAGACAGGCCG TGTATTACTGTGCCGGAGTTCGATTTTTGGAGTGGTCAACCGAAGTGGTTCGACCCCTGGGGCCAGGGAACCCCTGGTCACTCGTCTCCTCAG
003	p95w69		<i>IGHV</i>	ATATCTCCGGGGACAGTGTTCCTAGCAAAAGTGTGCTTGGAACTGGATCAGACAGTCCCATCGAGAGGCCTTGGAGTGGCTGGGAAGGATATA TTACGGGTGCGATGTGGTATTATGATTATGAAGCATCAGTGAAGAGTCGAATAAGCATCACCCAAACACAGCCAAGAACCAGTTCTCCCTGCAGCT GAACCTGTGACTCCCGAGGACACGGCTGTGTATTATTGTGCAAGAGGGTGGCTACGGACCGGGTTTACTACTGGGGCCAGGGAACCCCTGGT CACCGTCTCCTCAG

003	p95w7		<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTTCCCTCACCTGCACTGTGTCTGGCGGCCCCATCAGCAGT GGTGGTTACCACTGGACCTGGATCCGCCAGCCCGCCGGGAAGGGGCTGGAGTACATTGGGCGTATCTACACCAGTGGGAGCACCCGACTACAG CCCCTCCCTCAAGAGCCGAGTCACCATATCAATGGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGTTCTGTGACCGCCGCAGACACGGCC AAGTATTTCTGTGCGAGAGACAGTCCCTATCACAGTAGGGGGCGGCTTTGGTTCCACGGTATGGACGTCTGGGGCCAAGGGACCACGATCACC GTCTCTTCA
003	p95w8		<i>IGHV</i>	CAACAATAGTCCCTACTACTGGGGCTGGATCCGCCAGCCCCAGGGAAGGGACTGGAGTGGATTGGGAGTATCTTTTATAGTGGGACCACCGA CTACAACCCGTCCTCAAGCGTCGAGTCACCATATCCGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGACCTCTGTGACCGCCGCAGAC ACGGCTGTATATTACTGTGCGAGACTTTCTGGTGGCTACAATTACTTGGACTACTTGGTCTACTGGGGCCAGGGAACCCTGCTCACCGTCTCCTC AG
003	p95w81		<i>IGHV</i>	GGGGGTCCCTGAGACTCTCCTGTGCGGCCCTCTGGATTACGTTTACGTACCTATACCATGAACTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGG AGTGGGTCTATCCATTAGTCTACTAGTACAGATATTACGCAGACTCAGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAAC TCACTATATCTGCAAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGACAGTGCAGTGGCCCCCATCATCTTTGACTACT GGGGCCGGGAACCCTGGTACCGTCTCCTCAG
003	p95w82		<i>IGHV</i>	CAGCTGCAGCTGCAGGAGTCCGGCTCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCGCTGTCTCTGGTGGCTCCATCAGCAGT GGTGGTTTCTCCTGGAGCTGGGTCCGGCAGCCACCAGGGAAGGGCCTGGAGTGGATTGGGTACATCTCTCGTGTGGGAGCACCCACTACAAC CCGTCCCTCAAGAGTCGAGTCACCATATCCGTAGACAGGTCCAAGAACCAGTTCTCCGTGAAGCTGACGTCTGTGACCGCCGCAGACACGGCC GTCTATTACTGTGCCAGATTAACGATTTTGGAGTGGCTCCATTATACGTGGTATTTGCATATCTGGGGCCGTGGCACCCCTGGCCACTGTCTC CTCAG
003	p95w83		<i>IGHV</i>	GAAGTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGCAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTTGATGAT TATGCCATGCACTGGGTCCGGCAAGCTCCAGGGAAGGGCCTGGAGTGGGTCTCAGGTATTAGTTGGAATAGTGGTAGCATAGGCTATGCGGAC TCTGTGAAGGGCCGATTACCATCTCCAGAGACAACGCCAAGAACCCTGTATCTGCAAAATGAACAGTCTGAGAGCTGAGGACACGGCCTTGT ATTACTGTGCAAAAGATATCGGGGCCATAACTGGAACCTTACTACTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
003	p95w93		<i>IGHV</i>	GAGGTGCAGCTGGTGGAGTCTGGGGGAGGCTTAGTAAAGCCTGGGGGGTCCCTTACTCTCCTGTGCAGCCTCTGGATTCACTTTTCACTAAA GCCTGGATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTGGCCGATTTAAAAGTAAGACTGATGGTGGGACAACAGACTA CGCTGCACCCCGTGAAGGCAGATTACGATCTCAAGAGATGATTCAAAAAACACGCTGTTTCTTCAAATGAACAGCCTGAAAATCGAGGACACAG CCGTATATTACTGTGCCACAGGGGTAACAGCTGTTCCCTACCCGACTATTACTACTACGGTATGGACGTCTGGGGCCAAGGGACCACGGTAC CGTCTCCTCA
003	p95w94		<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTTTATGGCGGGTCTTCGGTAAT TTCTACTGGAGTTGGATCCGCCAGCCCCAGCAAGGGCAGTGGAGTGGATTGGGGAAATCCATCATACTGGAAGCACCAACTACAACCCGTCCT CAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCATTTTCCCTGAAACTGACCTCTGTGACCGCCGCGGACACGGCTGTTTATTACT GCGCGAGAGGGCAAACCTAGTAGTGGCTGGCTCGGGAACCTGGTTCGACCCCTGGGCCGAGGGAACCTGGTTCGCCGTCTCCTCGG
003	p95w97		<i>IGHV</i>	CAGGTGCAGCTACAGCAGTGGGGCGCAGGACTGTTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCGCTGTCTATAATGGGTCCGTCAGTACT TACTACTGGAGCTGGATCCGCCAGGCCCCAGGGACGGGGCTGGAATGGATTGGGGAAATCAATCATCGTGAAGCACCAATTACAACCCGTCC CTCAAGAGTCGAGTCACCATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAGGCTGAGCTCTGTGTCCGCCGCGGACACGGCTGTTTATT ACTGTGCGAGAGACAATCACTATAGTTTCGGGGACTTATTATAAACGCCCTAATTTGACTCCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTC AG
003	p92w55	13	<i>IGHV</i>	CAGGTGCAGCTGCAGGAGTCGGGGCCAGGACTGGTGAAGCCTTCACAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGGCTCCATCAGCAGT GGTGATTACTACTGGAGTTGGATCCGCCAGCCCCAGGGAAGGACTTGGAGTGGATTGGGTACATCTATTACAGTGGGAGCACCTACTACAACC CGTCCCTCAAGAGTCGAGTTACCATATCAGTGGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGCTCTGTGACTGCCGCAGACACGGCCGT GTATTATTGTGCCAGAGACCGCCCCAGCCGGTTGGGAGGTAACATGGAACCTTCTGGGGCCAGGGAACCCTGGTCAACCGTCTCCTCAG
003	p91w108		<i>IGLV</i>	CAGACTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCAGGAGGGACAGTCACTCTCACCTGTGCTTCCAGCACTGGAGCAGTCAACAGT GGTTACTACCAAACCTGGTTCCAGCAGAAACCTGGACAGGCACCCAGGCCACTAATTTATAGTACAGTCAACAAACACTCCTGGACCCCTGCCC GGTTCTCAGGCTCCCTCCTTGGGGGCAAGCTGCCCTGACACTGTCAAGGTGTGCAGCCTGAGGACGAGGCTGAGTATTACTGCCTGCTCTACTA TGGTGGTGTGTGGTATTCGCGGAGGGACCAAGCTGACCGTCTCAG
003	p91w109		<i>IGLV</i>	TCTTTTATACAGTTCCAGCGATCACAACCTACTTAGCTTGGTACCAGCAGAAAGCCAGGACAGCCTCCTAAATTGCTCATTTTACTGGGCATCTACCC GGGAATCCGGGGTCCCTGACCGATTCACTGTCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGACGTGGCAG TTTATTACTGTCAGCATTATCATAGTGTCTCCTCGAACTTTCGGCGGAGGGACCAGGGTAGAGATCAAGC

003	p91w122		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAGGCAGCAGGGACGTTGGTACTT ATGACTATGTCTCCTGGTACCAACTGCGCCAGGCAAAGCCCCAAACTCATGATTTATGATGTCACTAAGCGGCCCTCAGGCATTCTAGTCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGTACCTCATATTCTAC CAGTAGTACTGTTTTGTCTTCGGAAGTGAACCAAGGTCACCGTCGTGG
003	p91w135		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAATTGCAAGTCCAGCCAGAGTCTTTTCTTCA GCTCCAAACAATAAGAATACTTAGCTTGGTACCAACAGAAATCAGGACAGCCTCCTAAATTGCTCTTTTACTGGGCATCTACCCGGGAATCCGGG GTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTCAGTCTCACCATCAGCAGCCTGCAGGCTGAGGATGTGGCAGTT
003	p91w136		<i>IGLV</i>	CAGTCTGCCCTGACTCAACCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAAGCAGTACGTTGGTAATT ATAACTTTGTCTCCTGGTACCAGCAGCACCAGGCAAAGCCCCAAACTCATGATTTATGATGTCACTGAGCGGCCCTCAGGGGTTTCTCATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA CCAGCACAACTCTCGTGCTTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p91w14		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTCCGGGCGAGTCAGGGCATTGCCAATC ATTTAGCCTGGTTTCAGCAGAAGCCAGGGAAAGCCCCTAGGTCCCTGATCTATGCTGCATCCAGTTTGCACAGTGGGGTCCCATCAAAGTTCAG CGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGCCAACAGTTTAATACTTACC CGCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p91w159		<i>IGLV</i>	GGCAAAGCCCCAAACATCATATTTATGATGTCACTAGACGGGCCCTCAGGAGTCCCTGATCGTTCTCTGGCTCCAAGTCTGACAGCACGGCCT CCCTGACCATCTCTGGGCTCCGGCCTGAGGATGAGGCTGATTATCACTGCTGCTCATATGCAGGCAGCTACACTTATGCTTCCGGAGGTGGGAC GACGGTCACCGTCCTAG
003	p91w162		<i>IGLV</i>	CAGTCCGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAACAGTACATTGGTGGTT ATTACTATGTCTCCTGGTACCAATCCACCCAGGCAAAGCCCCAAACTCATTATTTCTAATGTCACTGATCGGCCCTCAGGGGTTTCTCATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCGGGGCTCCAGGCAGACGACGAGGCTGATTATTACTGCGGCTCATATACAAA CACCATCACTTATGTCTTCGGGACTGGGACCAAGGTACCGTCTAA
003	p91w169		<i>IGLV</i>	GAAATAGTTATGACGCAGTCTCCAGCCACCCTTTCTGTGTCTCCAGGTGGAGGACCCTCTCCTGCAGGGCCAGTCAGAGTGTGGCAGC GACTTAGCCTGGTACCAGCAAAAACCTGGCCAGCCTCCAGGCTCCTCATCTATGGTGCCTCCACTAGGCCACTGATATCCAGCCAGGTTCA GAGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGTAGCCTTCAGTCTGAAGATTTGCGAGTTTATTACTGTCAACAATATTACAAGTGG CCTCGCGAGGGGATCACCTTCGGCCAGGGGACACGACTGGACATTAAC
003	p91w17		<i>IGLV</i>	CAGTCCGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAACAATGACGTTGGTGGTT ATTACTATGTGCGCCTGGTACCAATCCACCCAGGCAAAGCCCCAAACTCATTATTTCTAATGTCACTGATCGGCCCTCAGGGGTTTCTCATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCGGGGCTCCAGGCAGACGACGAGGCTGATTATTACTGCGGCTCATATACAA ACACCATCACTTATGTCTTCGGAAGTGGGACCAAGGTACCGTCTAA
003	p91w174		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGGAGCT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCAAGCTCCTGATCTATGCTGCATCCAGTTTACAAAGTGGGGTCCCATCAAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTACTACTGTCAACAGAGTTACAGTACCCC GCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p91w184		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGCGCTGGAACCAACCAGTACGTTGGTGGT TATAACTCTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATAATTTATGAGGTCACTAAGCGGCCCTCAGGGGTTTCTCATCGC CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTTCTGCAGCTCATATGCA GGCAGCTACAATGTGCTATTCCGGCGGAGGGACCAAGTTGACCGTCCTAG
003	p91w185	43	<i>IGLV</i>	TCCTATGAGCTGACACAGCCACCCTCGGTGTCACTGTCCCAGGACAAACGGCCAGGATCACCTGCTCTGGAGATGCATTGCCAAACAATATG CTTATTGGTACCAACAGAAGTCAGGCCGGGCCCTGTCTGGTTCATCTATGAAGACAATCAACGACCCTCCGGGATCCCTGAGAGATTCTCTGG CTCCCGCTCAGGGACAATGGCCACCTTGACTATCAGTGGGGCCAGGTGGAGGATGAGGCTGACTACTACTGTCACTCAACAGACAGCAGTGC TAATCTCCTGGTATTCCGGCGGAGGGACCAAGGTGACCGTCTAA
003	p91w2		<i>IGLV</i>	AGTGTGAGCAGCAACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGGCTCCTCATGTATGGTGCATCTATTAGGGCCACTGGTATCC CAGGCAGGTTCAAGTGGCAGTGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTATTGTGAGCA GTATAATAACTGGCCTCCGCTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p91w26		<i>IGLV</i>	GACATCCAGGTGACCCAGTCTCCATCCTCCCTGTCCGCATCTGTAGGGGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCATCT ATGTCAATTGGTTTCTGCAGAAACCAGGGAGAGCCCCAAGGTCTGATCTATGGTGTCTCCAGTTGCAAAGTGGTGTCCCATCACGATTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTACTACTGTCAACAGACTTACAATACCCC GTACACTTTTGGCCAGGGGACCAAGTGGAGATGAAAC

003	p91w3	IGLV	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCGGT GGTCATTATCCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCCAGGACACTGATTTATGATAACAAGCAACAACACTCCTGGACACCTGCC GGTTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCCTTTCGGGTGCGCAGCCTGAGGATGAGGCTGAGTATTACTGCTTGCTCTACTA TAGTGGTGCTCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p91w44	IGLV	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGAGAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCACT GGTCATTATCCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCCAGGACACTGATTTATGATAACAAGCAACAACACTCCTGGACACCTGCC GATTCTCAGGCTCCCTCCTGGGGGCAAAGCTGCCCTGACCCCTTTCGGGTGCGCAGCCTGAGGATGAGGCTGAGTATTACTGCTTGCTCTATTAT GGTGGTGATCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCTC
003	p91w69	IGLV	GACATCCAGATGACCCAGTCTCCATCTTCCGTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTTCGGGCGAGTCAGGGTATTAGTAATTG GTTAGCCTGGTTTCAGCAGAAACCAGGGAAAGCCCCCTAAGGTCTGATCTATCGTGCATCCACTTTACAAAGTGGGGTCCCATCAAGGTTTCAGC GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTACTATTGTCAACAGGCTTACATTTTCCC GCTCAGTTTCGGCGGAGGGACCAAGTGGAGATCAAAC
003	p91w94	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAATGACATTGGTGGTT ATTACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACCGATCATTTATAATGTCAGTGTGCGCCCTCAGGGGTTTCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA ACACCATCACTCATGTCTTCGGAACCTGGGACCAAGGTACCGTCTCTAA
003	p92w100	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTGCATA GTAATGGATAACAATAATTTGGATTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAACCTGATCTATCTGGGTTCTACTCGGCCTCCGGGGT CCCTGACAGGTTTCAGTGGCAGTGCATCAGGCACAGATTTACACTGGAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTACTGTCATG CAAGCTCTACAGACTCCTCGGACGTTTCGGCCAAGGGACCAAGGTGAAATCAAAC
003	p92w101	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATTACTATGTGCGCCTGGTACCAACAGCACCCAGGCAAAGCCCCAACTCATGATTTATGATGTCAATAAGCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGGACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA CAGAAGCACTCTGAAATTCGGCGGAGGGACCAAAAGTGACCGTCTTG
003	p92w104	IGLV	GACATCCAGATGACCCAGTCTCCTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGCCTGGGCGCAGTCAGAGTATTAGTACCT GGTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCCTGAGCTCCTGATCTATAAGGCGTCTACTTTAGAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGGACAGAATTCCTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAGTATGAGGGTTATG GGACGTTTCGGCCAAGGGACCAAGGTGAAATCAAAC
003	p92w108	IGLV	GCGCACTGATTTATGATAACAAGCAACAACACTCCTGGACACCTGCCCGGTTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCCTTC GGGTGCGCAGCCTGAGGATGAGGCTGAGTATTACTGCTTGCTCTTATAGCGGTGCTCGGGTATTCGGCGGAGGGACCAAGCTGACCGTCTCT AC
003	p92w111	IGLV	CAGACTGTGGTGACCCAGGAGCCATCGTTCTCAGTGTACCCTGGGGGACAGTCACTCACTTGTGGCTTACCTCTGGCTCAGTCTCTAGTA ATCACTACCCAGCTGGTACCAGCAGACCCAGGCCAGCCTCCACGCAGCTCATCTACAGCACAACACTCGCTCTTCTGGGGTCCCTGATCG CTTCTCTGGCTCCATCCTTGAACAAAGCTGCCCTCACCATCAGGGGGCCAGGCAGATGATGAATCTGATTATTACTGTGTGCTGCATGTGG GTAGTGGCATTGGGTGTTTCGGCGGAGGGACCAAACTGACCGTCTCTAG
003	p92w112	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAATGTCTGCGGCCCCAGGACAGAAGGTCTCCATCTCCTGCTCTGGAAGCAGCTCCAACATTGAGAATT ATTCTGTATCCTGGTACCAGCAACTCCCAGGAACCGCCCCAACTCCTCATTTATGACGATAATAGGCGACCCCTCAGGAATTCCTGACCGATT TCTGGCTCCAAGTCTGGCACGTCAGCCACCCTGGGCATCACCAGTCCAGACTGGGGACGAGGCCAATATTACTGCGCATCATCGGATAGC AGCCTGAGTTCTGTAGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCTAG
003	p92w113	IGLV	GACATCCAGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGCCTGGGCGAGTCAGGGCATTAGCCATC TTTTAGCCTGGTATCAGCAGAAACCAGGGACAGTTCGGATCTCCTGATCTTTGATGCGTCCAATTTACAGTCAGGGGTCCCTTCTCGGTTTCAGT GGCAGTGGCTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGACTGAAGAT
003	p92w114	IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGCAGAGGGTCAACATCTCCTGCACTGGGAGCAGCTCCAACCTCGGGGCA GGTTTTGATGTACTGGTACCAGCAGCTTCCAGGAACAGCCCCCAAGTCTCATCTATGATAGCACAATCGGCCCTCAGGGGTCCCTGACC GTTTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCTATGA CAGCAGCCTGAGTGGTTATGTCTTCGGAACCTGGGACCAAGGTACCGTCTCTAG
003	p92w119	IGLV	GACATCCAGATGACCCAGTCTCCTCCACCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGCCTGGGCGCAGTCAGAGTATTAGTAACT GGTTGGCCTGGTATCAGCAAAAACCAGGGAAAGCCCCCTAAGGTCTCATATTTGCGGCCTCTAAATTACAAACTGGGGTCCCATCGAGGTTTCAG CGGCAGTGGATCTGGGACTACATTTCCCTCACCATCAACAGCCTGCAGCCTGATGATTCTGCAACTTATTACTGCCAACAAATATAAATTATCC TCTCGCTTTCGGCGGGGGACGGAAGCTGGAGGTCAAAG

003	p92w122	<i>IGLV</i>	GCCGTCGGGCTGACCCAGTCTCCATCCTCATTCTCTGCATCTACAGGAGACAGAGTCACCATCACTTGTCCGGGCGAGTCAGCATATTAGCAATTC TTTAGCCTGGTATCAGCAGAAACCAGGGAAAGACCCTAAGCTCCTGATCTATCATGCATCCACTTTGCAACGTGGGGTCCCATCAAGGTTTCAGCG GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAACGGCCTGCAGTCTGAAGATTTTGAATTTACTACTGTCAACATTATAATAGTTATCCTC TCAGTTTCGGCGGAGGGACCAAGGTGGACATCAAAC
003	p92w126	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGTCTCCTGGACAGTCACTCACCCTTCTCCTGCACTGGAACCAGCAGTACGTTGGTGGTT ATAGCTCTGTCTCCTGGTACCAAAAGCACCCAGGCAAAAGCCCCAAACTCATTATTTATGAAGTCGATAAGCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGATGATGAGGCTGATTACTGTCAGCTCATATGCA GGCAGCACCTTTTGGTGTGGCGGAGGGACCCAGCTGACCGTCCCTAG
003	p92w135	<i>IGLV</i>	GGCAGCAACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCACCAGGGCCAGTGGTGTCCCAACC AGGTTCACTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATGTTGCAGTTTACTACTGTCAGGACTATAG TTACTGGCCTCCGCTTCCGGCCAAAGGACCAAGGTAGAAATCAAAC
003	p92w136	<i>IGLV</i>	CAGGCTGTGGTACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGTCCAGCACTGGAGCTGTCACCCGT GGTCATTATGCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCAGGACACTGATTTATGATACAACCAACAAACTCCTGGACACCTGCC GATTCTCAGGCTCCCTCCTTGGGGCAAGCTGCCCTGACCCTTTCGGGTGCGCAGCCTGAGGATGAGGCTGACTATTATTGCTTACTCTACTA TAGTGGTCCCTCGG
003	p92w14	<i>IGLV</i>	CAGGCTGTGGTACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGTCCAGCACTGGAGCTGTCACCAGT GGTCATTATCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCAGGACACTAATTTATGATACAACCAACAGACACTCCTGGACACCTGCC GCTTTCAGGGTCCCTCCTTGGGGCAAGCTGACCCTTTCGGGTGCGCAGCCTGACGATGAGGCTGAGTATTACTGCTTGCTCTACTA TGGTGGTACTCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCCTAC
003	p92w143	<i>IGLV</i>	CAGGCTGTGGTACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGTCCAGCACTGGAAGTGTACCCAGT GGCCATTATCCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCAGGACACTGATTTATGATACAACCAACAAACAGTCTGGACACCTGCC GGTTCTCAGGCTCCCTCCTTGGGGCAAGGCTGCCCTGACCCTTTCGGGTGCGCAGCCTGAGGATGAGGCTGACTATTACTGCTTGCTCTACTA CGGTGGTGTCTCGGGTATTCCGGCGGAGGGACCAAGCTGACCGTCCCTAC
003	p92w145	<i>IGLV</i>	TTCAAACATCGGAAGTAAATATGTGATTGGCACCAGCAACTCCCAGGAATGGCCCCACACTCCTCATCTATAGGGATAATCGGCGGCCCTCAG GGTCCCTGACCGATTCTCTGGTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCCGAGGATGAGGCTGATTACT GTGCAGCATGGGATGACAGCCTGAATTGGGTGTTCCGGCGGAGGAACCAAGCTGACCGTCCCTGG
003	p92w15	<i>IGLV</i>	CAGGCTGTGGTACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGTCCAGCACTGGAGCTGTCACCAGT GGCCATTATCCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCAGGACACTGATTTTATGATACAACCAACAAACTCCTGGACACCTGCC GGTTCTCAGGCTCCCTCCTTGGGGCAAGGCTGCCCTGACTCTTTCGGGTGCGCAGCCTGAGGATGAGGCTGACTACTACTGCTTGCTCTACTA TGGTGGTGTATCGGGTATTCCGGCGGAGGGACCAAGCTGACCGTCCCTAC
003	p92w159	<i>IGLV</i>	TCTCCGAGTCACTCAGGACCCTGCTGTGTCTGTGGCCTTTGGGACAGACAGTCAAGATCACATGCCAAGGAGACAGCCTCAGACTCTATTATG CAGGCTGGTCCAGCTGAAGCCAGGACAGGCCCTACTTACTATCATCTATGGTGAACCAACCCGGCCCTCAGGGATCCCAGACCGATTCTCTGG CTCCAGGTCAGAAAACACAGTTTCTTGACCATCACTGGGCTCAGGCGGAAGATGAGGCTGACTATTACTGTTACTCCCAGGACAGCAGTGG AAGCGTCTGGTGTTCGGCGGCGGGACCAAACTGACCGTCCCTAG
003	p92w162	<i>IGLV</i>	GATGTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTACTTAGCCTGGTACCAGCAGAAGCCTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCACCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCAGTATAGTAGC TCAATAACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p92w163	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCACTCACCATCTCCTGCACTGGAACCAGCAGTGTGTTGGGAGTT ATAACCTTGTCTCCTGGTACCAACAGCACCCAGGCAAAAGCCCCAAACTCATGATTTATGAGGTGAGTAAACCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTACTGCTGCTCATATGCA GTAGTAGCACTTTGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p92w167	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCACTCACCATCTCCTGCACTGGAGCCAGCAGTACGTTGGTACTT ATGACTATGTCTCCTGGTACCAAGTGCACCCAGGCAAAAGCCCCAAACTCATGCTTTATGATGTCAGTAAAGCGGCCCTCAGGGGTTTCTAAT
003	p92w168	<i>IGLV</i>	GATGTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTACTTAGCCTGGTACCAGCAGAAGCCTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCACCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCAGCGTAGCAA CTGGCCTCAAACCTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p92w17	<i>IGLV</i>	ACATTAGCAACTTTTTAAATTGGTATCAACTGAAGCCAGGGAAAGCCCCCTAAGCTCCTGATCTACGATGTATTCAATTTGGAAAGAGGGGTCCCAT CAAGTTCACTGGAAGTGGATCTGGGACACATTTACTTTACCATCGGCAGCCTGCAGCCTGAAGATATTGCAACATATTACTGTCACCAGTAT GATAATCTCCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC

003	p92w172	14	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGATCCAGCAGTGACGTTGGTGATT ATGACTATGTCTCCTGGTACCAACAGCACCCAGGCCAAAGCCCCAAAGTCATTATTTATGCTGTCAATAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGCCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA GCAGCAGCACTGTGTTATTTCGGCGGAGGGACCAAGCTGACCCGCTAG
003	p92w174		IGLV	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAGTCACCATCTCCTGTACTGGAACCAGCAGTGACATTGGTGGTT ATAACTCTGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCAAAGTCATGATTTATGAGGTACAGTAAGCGGCCCTCAGGGGTCCCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTGCTGCAGCTCATATGCA GGCAGCAGCAATTTACTAATATTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p92w175		IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCACCAGTGATGTTGCGACTT ATTACCTTGTCTCCTGGTACCAACATCACCCAGGCCAAGCCCCAAAGTCATAATTTATGATGTCAATAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTGCTGCAGCTCATATGCA GGCAGCAGCAATTTACTAATATTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p92w176		IGLV	GCAGCACCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAG ACAGGTTCAAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCAGTAT GGTAGCTCGTACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p92w177		IGLV	GAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTGGCAGC AATTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTTTGGTGCATCCACCAGGGCCAGTGGTGTCCCAACCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATGTTGCAGTTTATTACTGTCAGGACTATAGTTACTGG CCTCCGCCGTTTCGGCCAAGGGACCAAGGTAGAAATCAAAC
003	p92w178		IGLV	GATGTTGTTATGACTCAGTCTCCACTCTCCCTGCCCGTCAACCCTGGACAGTCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACAG TGATGGAGACCTACTTGAATTGGTTTACCAGAGGCCAGGCCAATCTCAAGGCGCCTAATTTATAAGGTTTCTACCCGGGACTCTGGGGTC CCAGACAGATTCAGCGGCAGTGGGTCTGGGACAGACTGATTTCACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGTTTATTACTGCATGC AAGGTACACACTGGCCTCAGACGTTTCGGCCAAGGGACCAAGGTGGAAATCAAAC
003	p92w184		IGLV	CAGTCTGTGCTGACTCAGCCACCCTCGGCGTCTGGGACCCCGGGCAGAGGGTTCATCTCTTGTCTGGGAGCAGCTCCAACATCGGGAGT AATACTGTCAACTGGTACCAGCAGTTCCCAGGAACGGCCCCCAACGCCTCATGTATAAAAATAATCAGCGACCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTATTGTGCAGCATGGGATGA CAGCCTGAATGCTGTGGTATTTCGGCGGAGGGACCAAGCTGACCGTCTTG
003	p92w185		IGLV	ACTGTCTGCATCTGTAGGAGACCGAGTCACCATCACTTGTCCGGCGAGTCAGGGCATTGCCAATCATTTAGTCTGGTTTCAGCAGAAACCAGGG AAAGCCCCAAGTCCCTGATCTATGCTGCATCCAGTTTGCAAAGTGGGGTCCCATCAAGGTTTCAGCGGCAGTGGATCTGGGACAGATTTCACTC TCACCATCAGCAGCCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAGTTAATAGTTACCCGCTCACTTTTCGGCGGAGGGACCAAGGTG GAGATCAAAC
003	p92w187		IGLV	GACATCATGATGACCCAGTCTCCAGATTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTATTTATTCA GCTCCAACAATAAGAATACTTAGCTTGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTAACTGGGCATCTACCCGGCAATCCGG GGTCCCTGACCGATTCAGTGGCAGCGGGTCTGGGCGAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTATTTACTCCTTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p92w191		IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGTCCGTCAACCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTCCATA GTAATGGATAACAAGTATTTGGACTGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATTTGGGTTCTAATCGGGCCTCCGGGGT CCCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGTTTATTACTGCATG CAAGCTCTACAACTCCTCGGACGTTTCGGCCAAGGGACCAAGGTGGAAATCAAAC
003	p92w20		IGLV	GTATACAGTGATGCAAATACCTACTTGAATTGGTTTACCAGAGGCCAGGCCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTAACCCGGGACTC TGGGGTCCCAGACAGATTACAGCGCAGTGGGTGAGGCACTGATTTCACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGTTTATTA CTGCATGCAAGGTACACACTGGCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p92w203		IGLV	TGCCCACTCTCCTGCAGGGCCAGTCAGAGTGTTAGCAGCACCTACTTAGCCTGGTACCAGCAAAGACCTGGCCAGGCTCCCAGGCTCCTCATC TATGGTGCATCCGGCAGGGCCACTGGCATCCCAGACAGTTTCACTGAGTGGGTCGGGGACAGACTTCACTCTCACCATCAGCAGACTGGAA CCTGAAGATTTTGCAGTGTATTACTGTCAGCAGTGTGATATTCCACCGTACACTTTTGGCCAGGGGACCAAACTGGAGATCAAAG
003	p92w21		IGLV	GAAATTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTACTTAGGCTGGTACCAGCAGAAGCCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGAGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCAATATGATAGC TCACATTCGATCACCTTCGGCCAAGGGACACGACTAGAGATTAAC



003	p92w30		<i>IGLV</i>	GACATCGTGCTGACCCAGTCTCCAGACTCCCTACCTGTGTCTCTGGGCGAGAGGGCCACCATTCACTGCAAGTCCAGCCAGAGTCTTTTATTCA GTACCAACAATAAGAACTACTTAGCTTGGTACCAGCAGAAACCGGGACAGCCTCCTAAGCTGCTCATTTCCTGGGCCTCTACCCGGGAATCCGG GGTCCCTGACCGATTCACTGGCAGCGGGTCTGAGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATCACTGT CAGCAACATTATAGCAGTCCGTACACTTTTGGCCAGGGACCAACTGGAGATCAAA
003	p92w35		<i>IGLV</i>	CAGTCTGCCCTGACCCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTACGTTGGTACTT ATAACCTTGTCTCCTGGTACCAACAGAACGCAGGCAAAAGCCCCAAACTCATCATTTTATGATGTCACTAAGCGGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCACCTCATAACAA CCCGCAGCACTAATTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p92w37		<i>IGLV</i>	GAGATTGTGTTGACGCAGTCTCCAGACACCCTGTCTTTGTCTCCAGGGGAAAAGGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTACCAGCA CCTACTTTGCCTGGTACCAGCAGAGACCTGGCCAGGCTCCCCGGCTGCTCATCTATGGTGCAACCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTTTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACAGTATGGTA
003	p92w44	12	<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAAGGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGACTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACAGTATGGTAGC TCACCCACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAA
003	p92w47		<i>IGLV</i>	CAGTCTGTCTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGATGGTACCATGTCTGCTCTGGAAGCAGCTCCAACATTGGGAATA ATTATGTCTCCTGGTACCAGCAGTCCCAGGAACAGCCCCAAACTCCTATTTATGACAATGGTAAGCGACCCTCAGGGATTCTGACCGATT TCTGGCTCCAAGTCTGGCACGTGACCCACCCTGGGCATCACCAGACTGGGACGAGGCGGATTATTACTGCGGAACATGGGATAGC AGCCTGAGGGGTTTTGTCTTCGGAAGTGGGACCAAGTCCACCGTCTAA
003	p92w48	21	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCGAGTCAGGGCATTAAACAATT ATTTAGCCTGGTATCAGCAGAAACCAGGGAAAGTTCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCTCGGTTCACT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGTCAAAA
003	p92w59		<i>IGLV</i>	TATTAGCAGCACCTACTTATCCTGGTACCAGCAGAGACTGGCCAGGCTCCCAGGCTCCTCATCCATGGTGCATCCAGCAGGGCCACTGGCATC CCAGACAGGTTCACTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACG AGTCTGATAGCTCACCATTCACTTTCCGGCCCTGGGACCAAGTGGATATCAAA
003	p92w6	20	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAACAGTACATTGGTGGTT ATCAATATGTCTCCTGGTACCAACAACACCCAGGCAAAAGCCCCAAACTCATAATTTATGATGTGCGTAATCGGCCCTCAGGTATTTCAATCGCT TCACTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGAATATTTCTGCAGCTCATATGCAAG TAGTAGGAGTCTACTATTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p92w69		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCCGTTAGGAGACAGAGTACCATCACTTGCCGGGCAAGTCAGAGCATTAGCAACA ATTTAAATTGGTATCAGGAGAAACCAGGAAAGCCCCCTAAGCTCCTGATCTATGCTGCATTAGTTTGCAAAGCGGGTCCCATCAAGGTTCACT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCGGTCTGCAACCTGAAGATTTTGAACCTTACCCTGTCAACAGAGTTACAGTACTCC GTGGACGTTCCGGCAAGGGACAGGGTGGAAATCAAA
003	p92w7		<i>IGLV</i>	GATGTTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTGGTCAAAGCCTCGTACACA GTGATGGAAACACCTACTTGAATGGTTTCAGCAGAGGGCCAGGCCAATCTCCAAGGCGCCTATTTTATAAGGTTTCTAACCGGGACTCTGGGGTC CCAGACAGATTCAGCGGCAGTGGGTGAGGCACTGATTTACACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGC AAGGTACACACTGGCCTCCGACGTTCCGGCCAAGGGACCAAGGTGGAAATCAAA
003	p92w82		<i>IGLV</i>	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTTGTCTCCAGGGGAAAAGGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTACCAACT ACTTAGCCTGGTACCAACAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGATTATCCAACAGGGCCACTGGCATCCCAGCCAGGTTTCACT TGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTGACAGCAGCTAGCAACTGG CCTCCCATGTTCTCTTTTGGCCAGGGGACCAAGCTGGAGATCAAA
003	p92w83		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAGTACCATCTCCTGCGCTGGAACCACAGTACGTTGGTGGT TATAACTCTGTCTCCTGGTACCAACAACACCCAGGCAAAAGCCCCAAACTCATAATTTATGAGGTCATAAGCGGCCCTCAGGGGTCCCTGATCG CTTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTTCTGCAGCTCATATGCA GGCAGCAACAATGTGGTATTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p92w93		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAATCACCATCACTTGCCGGGCAACTCAGACCAATTAGCACCTA TTTAAATTGGTATCAGCAGATACCAGGAAAGCCCCCTAACCTCCTGATCTATGCTGCATCCAGTTTACAAAGTGGGGTCCCATCAAGGTTCACTG GCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTACTACTGTCAACAGACTTACAGTACCCCG CTCACTTTCCGGCGGAGGGACCAAGGTGGAGATCAAA

003	p92w97		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGATCCAGCAGTGACGTTGGTGATT ATGACTATGTCTCCTGGTACCAACAGCACCCAGGCCAAAGCCCCAAAGTCATTATTTATGCTGTCAATAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGCCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA GCAGCAGCACTGTGTTATTTCGGCGGAGGGACCAAGCTGACCCCTAG
003	p93w100		<i>IGLV</i>	AGGTCTAGTCAGAGCCTCCTGTATAGTAATGGATACACGTTTTTGGATTGGTACGTGCAGAAGCCAGGGCAGTCTCCACAGCTCCTGATCTATTT AACTTCTATTGGGCTCCGGGGTCCCTGACAGGTTTCAGTGGCAGTGGATCAGGCACAGATTTTACACTGAGAATCAGCAGGGTGGAGGCTGA GGATGTTGGGTTTATTACTGCATGCATGCTCTACAAATCCCGATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC
003	p93w101		<i>IGLV</i>	CAGTCTGCCCTGACTCAACCTACTTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGATGTTGGGAGTT ATGACGTTGTCTCCTGGTCCAACAGCATCCAGGCCAAAGCCCCAAATTCATAATTTATGAGGTCACTAAGCGGCCCTCAGGGATTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGCTCCAGGCTGAGGACGAGGCTGAATATTACTGCTGTTTCATATGCAG GAAGTAATATTTGGGTGTTTCGGCGGAGGGACCAAGCTGACCCCTAG
003	p93w104		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGATGTTGGGACCT ATAACCTTGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCAACTCATAATTTATGAAGTCACTACGCGGCCCTCAGGGGTCTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGGTCATATGCAG GTAGTAGCAGTTTGGTATTTCGGCGGAGGGACCAAGCTGACCCCTAG
003	p93w108	15	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGTTCGGGCGAGTCAGGATATCAGCAGCT GGTTAGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCCTAAGTCCCTGATCTATGCTGCATCCACTTTGCAAGGTGGGGTCCCATCAAGGTTTCAG CGGCAGTCGATCTGGGATAGATTTCACTCTCACATCAGCAGCCTCCAGCCTGAAGATTTTGAACCTTATTACTGCCAACAGTATAAGAGTTACC CTGTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p93w109		<i>IGLV</i>	GACATCGTGGTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCGACTGCAAGTCCAGCCAGAGTGTTTTGTAC AGCTCCAACAATAAGAACTACTTAGCTTGGTACCAACAGAAACCGGGACAGCCTCCAAAGCTGCTCATGCACTGGGCATCTACCCGGGAATCCG GGGTCCCTGACCGATTTCATTGGCAGCGGGTCTGGGACAGATTTCACTCTCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTTTTGT CAGCAATATTATGATTTTCTATCACTTTCGGCGGAGGGACCAAGGTGGAGATCAGAC
003	p93w113		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTCGGTAATT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCAACTCATGATTTATGATGTCAATAAGCGGCCCTCAGGGGTCTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA CCAGCAGCACAAATTTCTGTCTTCGGAAGTGGGACCAAGGTGACCCCTAG
003	p93w114		<i>IGLV</i>	CAGTCTGTGCTTACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTACCATCTCCTGCACTGGGAGTACTTCGAACATCGGGGCA CATCATGCTGTACACTGGTACCAGCAGGTTCCAGGGACAGCCCCAAACTCCTCATCTATGATAACAACATTCGCCCCGCAGATGTCCTTGCCC GATTTCTGGTTCACGCTTGGCACTTCGGCCTCCCTGGCCATCACTGGGCTCCAGGCTGCGGATGAGGCTGATTATTACTGCCAGTCCTATGA CAGCGCCTGAGTGCTTCGGTGTTCGGCGGAGGGACCAAGCTGACCCCTAG
003	p93w119		<i>IGLV</i>	GACATCCAGTTGACCCAGTCTCCATCCTTCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCCAGTCAGGGCATTAGCAGTT ATTTAGCCTGGTATCAGCAAAAACCAGGGAAAGCCCCCTAAGTCCCTGATCTATGCTGCATCCACTTTGCAAAAGTGGGGTCCCATCAAGGTTTCAGC GGCAGTGGATCTGGGACAGAATTCATCTCACAAATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTACTGTCAACAGCTTAATAGTTACGT CACTTTCGGCCCTGGGACCAAAAGTGATATCAAAC
003	p93w126	16	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTCGGTAATT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCAACTCATGATTTATGATGTCACTAACCAGGCCCTCAGGGGTCTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGCAGCTCATATACAA CCAGCAGCACCCCTTTCTGTCTTCGGAAGTGGGACCAAGGTGACCCCTAG
003	p93w127		<i>IGLV</i>	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTACCATCTCCTGTACTGGGAGCAGCTCCAACATCGGGGC AGATTATAATGTTCACTGGTACCAGCAGTTCAGGATCAGCCCCAAACTCCTCATCTATGCTAACACCAATCGGCCCTCAGGGGTCCCTGACC GATTTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAAGATGAGGCTAATTATTACTGCCAGTCCTATGA CAGTAGCCTGAGTGGTTCGGTGTTCGGCGGAGGGACCAAGCTGACCCCTAG
003	p93w14		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGGGACGTTGGTACTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCAACTCATGATTTATGATGTCACTAACCAGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA CCAGCACCAATTCATTATGTCTTCGGAACGGGGACCAAGGTGACCCCTAG
003	p93w143		<i>IGLV</i>	GATGTCAAGTGTCCCCAGGACAGACGGCCAGGATCACCTGCTCTGGAGATGCATTGCCAAACCAATTTGCTTTTTGGTACCAACAAGCCAGGC CAGGCCCTGTCTGATTATGTATCAAGACAGTGAAGGGCCCTCAGGGATCCCTGAGCGATTCTCTGGCTCCCGCTCAGGGACAAAGCCACAT TGTCATCAGTGGGGTCCAGGCAGAGACGAGGCTGACTATTACTGTCAAGCATCAGACAACAGTGTACTTATGTGGTCTTCGGCGGAGGGAC CCAGCTGACCCCTAG

003	p93w145	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCTTCCACCCTGTCTGCATCTGTGCGGAGACAGAGTACCATCACTTGCCGGGCCAGTCAGAGTGTTAGTAGCTGGTTGGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCTCCTGATCTATAAGGCGTCTAATTTAGAAAGTGGGGTCCCATCAAGGTTCC
003	p93w146	<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCAAGTGGTCATTATCCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCAGGACACTGATTTATGATACAAACAACAAACAATCCTGGACCCCTGCCCGGTTCTCAGCCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCTTTCCGGGTGCGCAGCCTGAGGATGAGGCTGAGTATTACTGCTTGCTCTCCTATAGTGGTGCCTCTTGGGTGTTTGGCGGAGGGACCAAGCTGACCCTCCTAG
003	p93w15	<i>IGLV</i>	CAGACTGTGGTGACCCAGGAGCCATCGTTCTCAGTGTCCCTGGAGGGACAGTCACTCACTTGTGGCTTGACCTCTGGCTCAGTCTCTGCTAGTCACTACCCAGTTGGTACCGGCAGACCCAGGCCAGGCTCCACGCAGGCTCATCTACAATACAAATATTCGGTCTTCTGGGGTCCCTGATCGCTTCTCTGGCTCCATCCTTGGGAACAAAGCTGCCCTCACCATCACGGGGGCCAGGCAGATGATGAATCTCTTTATTCTGTCTGCTGTTTATGCGTGGTACTTTTGGGTGTTCCGGCGGAGGGACCCAGCTGACCCTCCTTA
003	p93w159	<i>IGLV</i>	CGAGTAAAAGTGTGAGCAATTATGTCCATTGGCTGCAACAGAGACCAGGGAAAGCCCCTAAACTCCTCATCTCGGCTGCATATCGTTTAGAGAGTGGGGTCCCGTCCGAGGTTCACTGGCAGTGGTCTGGGACAGAGTCACTCTCACCATCACTGGTCTCCAAGCTGAGGACTATGCAACTTACTCCTGTCACCAGACTTACAATATTCCTTACACTTTTGGCCAGGGGGACCTTGTGGAGATCAAAC
003	p93w162	<i>IGLV</i>	GCTAATTATAACTATGTCTCCTGGTACCAAAAACACCCAGGCAAAGCCCCAAACTCATCTTTATGATGTCACTAATCGGCCCTCAGGGGTTTCC AATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCATCTCATATTCCACCACCATTACTCATTGGGTGTTCCGGCGGAGGGACCAAGCTGACCCTCCTAG
003	p93w163	<i>IGLV</i>	TTGGAGACAGAGTACCATCACTTGCCGGACAAGTCAAGAACATTTACAACATTTAATTTGGTATCAGCAGAAACCAGGGACAGCCCCTAAAGTCTCATCTATGGTGTCTTCCAATTTGCAAAGTGGGGTCCCATCAAGGTTCACTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTACTACTGTCAACAGGGTTACACTGTCCCTCGGACGTTCCGGCCAAGGGACCAAGGTGGACATCAAAC
003	p93w168	<i>IGLV</i>	ACAGAGTAACCATGTCTTGCCGGGCAAGTCAAGAGCGTTAGGAGTCATTTAAATTGGTATCAACAAAAACCAGGGAAAGCCCCTAAACTCCTGATCTATGTGCGTCCAGTTTGTCAAATGGGGTCCCATCAAGGTTCCAGCGGCAGTGGTCTGGGACAGAATTCCTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTATTGTTGTCAACAGGGTTCCAGACCCCTCTCAGTTCGGCGGAGGGACCAAGGTGGACATGAATC
003	p93w17	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCAGGCGAGTCAGGACATTACCAACTATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAACTCCTGATCTACGATGTGTTCAATTTGGAAGCAGGGGTCCCATCAAGGTTCACTGGAAGCGGATCTGGGACAGATTTACTTTACCATCAGCAGCCTGCAGCCTGAAGACATTGCAACATATTACTGTCAACAGTATGATATTCTCCATACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p93w174	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAACCAGCAGTGCAGTGGTACTTATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGGCCCAAACACTCATGATTTATGATGTGATCATCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAAACAGCACCATTATTATGTCTTCCGGAACGGGGACCAAGGTCACCCTCCTAG
003	p93w175	<i>IGLV</i>	AGTGTACCAGCACCTACTTAGCCTGGTACCAGCAGCAACCTGGCCAGACTCCCAGGCTCCTCATCTATGGTTCATCCAGCAGGGCCACTGGCA TCCCAGACAGGTTCACTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCA GTACTATGACGACTCACTGTGGACGTTCCGGCCAAGGGACCAAGGTGGAATCAAAC
003	p93w177	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAACCAGCAGGGACGTTGGTACTTATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGGCCCAAACACTCATGATTTATGATGTGATCATCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA
003	p93w178	<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGGGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCAAGTGGTCATTATCCCTATTGGTTCCAGCAGAGCCCTGGCCAAGCCCCAGGACACTGATTTATGATACAAAGCAACAGACTCCTGGACACCTGCCCGGTTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCTTTCCGGGTGCGCAGCCTGAGGATGAGGCTGACTATTACTGCTTGCTCTCCTATAGTGGTGCCTCTTCCGGCGGAGGGACCAAGCTGACCCTCCTAG
003	p93w185	<i>IGLV</i>	CAGTCTTTTTGACGCAGCCGCCCTCAGTGTCTGCGGCCAGGACAGCAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAGTATAATGATCCTGGTACCAGCAACTCCAGGAACAGCCCCAGACTCCTCATTGGTGAATAATAAGCGCCCTCAGGGATTCTGACCGATTCTGGCTCCAAGTCTGGCACGTAGCCACCCTGGGCATCACCGACTCCAGACTGGGGACGAGGCCGATTACTACTGCGGTACATGGGATAACAGCCTGAGTCTGTGGTATTCCGGCGGAGGGACCAAGCTGACCCTCCTAG
003	p93w187	<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCTCGATCACTTGCCGGGCAAGTCAGAGCGTTAGTACTTGGGTAATTTGGTATCAGCAGAAACCAGGGCAAGCCCCAAACTCCTGATCTATGCTACATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTCACTGGCAGTGGATCTGGGACAGACTTCACTTTACCATCAGCAGTGTCAACCTGAAGATTTTGAATTTACTTCTGTCAACAGACTTCCAGCAGCCCTCCGCTCACTTTCCGGCGCAGGGACCAAGCTGGAGATCAAAC

003	p93w191		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATAACTATGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAACTCATGATTTATGATGTAGTAATCGGCCCTCAGGGGTTTTTAAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATACACAAG CAGCAATACTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w193		<i>IGLV</i>	GAACCTCCTAAATAGTAATGGCTTCAACTATTTGGATTGGTACCTGCAAAAGCCAGGGCAGTCTCCACAGCTCCTGATCTTTTTGGGTTCTAATCG GGCCTCCGGGGTCCCTGACAGGTTCAAGTGGCAGTGGATCAGGCACAGATTTTACACTGAGAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGT TTATTACTGCATGCACACTCTACAACTCCTCCGTGGACGTTCCGGCCAAGGGACCAAGGTGGAATCAAGC
003	p93w2		<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCAGT GGTCATTATTCGACTGGTTCAGCAGAAGCCTGGCCAAGCCCCAGGACACTGATTTATGATACAAACAACAGACAGTCTGGACACCTGCC GGTTCTCAGGCTCCCTCCTTGGGGCAAAGCTGCCCTGACCTTTCCGGGTGCGCAGCCTGAGGATGAGGCTGAGTATTACTGCTTGCTCTACTA TAGTGGTGCTCGGGTGTCCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w21	22	<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGACGCAACTCCAACATTGGGAATA ATTATGTCTCCTGGTACCAGCAGCTCCCAGGAACAGCCCCAACTCCTCATTTATGACAATAAAGCGACCCTCAGGGATTCTGACCGATT TCTGGCTCCAAGTCTGCCACGTAGCCACCCTGGGCATCACCGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATACC AGCCTTCGTGTTTGGGTGTTCCGGCGGAGGGACACGCTGACCGTCCCTAG
003	p93w26		<i>IGLV</i>	GGCCACCCTCCTGCAGGGCCAGTCACACTATTAACAACAGGTACTTAGCCTGGTATCAGCAGAAATCTGGCCAGGCTCCCAGGCTCCTCATC TATGGTGCATCCAGCAGGGCCACTGGCATCCCAGGCAGGTTCAAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACAATCAGCAGACTGGAG CCTGAAGATTTTGCAGTGTATTACTGCCAGCAGTATGGGAACCTCACCTCAGACGTTCCGGCCAAGGGACCAAGGTGGAAGTCAAAC
003	p93w3		<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT AATTATGTTTCTGGTACCGGCAACTCCCAGGAACAGCCCCAACTCCTCATTTATGACAATAAAGCGACCCTCAGGGATTCTGACCGATT CTCTGGCTCCAAGTCTGGCACGTAGCCACCCTGGGCATCACCGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGAAACATGGGATAG CAGCCTGAGAGACGTGGTCTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w30		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCATCAGCGACGTTGGTGGTT ATAAATATGTCTCCTGGTACCAACAATGCCCGGCAAAGCCCCAACTCATGATTTATGAAGTCACTAAGCGGCCCTCAGGCACTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA ACAATACCATGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w35		<i>IGLV</i>	GTTCTGGAAGCAGCTCCAACGTCGAAATAATTATGTATACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAAGTCTCATCTATTTGAATAAT CAGCGGCCCTCAGGGGTCCCTGACCGAATCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGACTCCGGTCCGAGGATGAG GCTGATTATTACTGTGCAACATGGGATGACGGCCTGAGAGGTCCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w37		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCAAGTCAAGAACATTATTGGTCA TTTTAAATTGGTATCAGCAGACACCAGGGAAAGCCCCCTAACCTCTGATCTATGCTGCATCCAGTTTGCAAAGTGAAGTCCCGTCAAGGTTCAAGT GCAGTGGATCTGGGACAGAAATCACTCTCACCATCAGCAATCTACAACCTGAAGATTTTGAACCTACTACTGTCAACAGAGTTACAGTCTCCCG CTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p93w47		<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCAGT GGTCATTATTCCTACTGGTTCAGCAGAAGCCTGGCCAAGCCCCAGGACACTAATTTATGATACAACCAACAGACACTCCTGGACACCTGCC GCTTCTCAGGGTCCCTCCTTGGGGCAAAGCTGCCCTGACCTTTCCGGGTGCGCAGCCTGACGATGAGGCTGAGTATTACTGCTTGCTCTACTA TGGTGGTACTCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w48		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGCGTCTCCTGGACAGTCGATCACCCTCTCCTGCACTGGAACCACCAGTGATGTTGGGACTT ATGACCTTGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAACTCTTGATTTATGAAGTCACTAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGCCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCCTATGTTG GTAGTGGCAATATGCTATTCCGGCGGAGGGACCAAGCTGACCGTCCCTAA
003	p93w5		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATGACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAAAGTCAATTTTATGCTGTCAATAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGCCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA GCAGCAGCACTGTGTTATTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w51		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTGGTT ATGACTTGGTCTCCTGGTACCAACTTTACCCAGGCAAAGCCCCAACTCATGATTTATGATGTCTATAAGAGGCCCTCAGGGGTTTCTCATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCCTCCAGGCTGAAGACGAGGCTGATTATTACTGCAGCTCATATACAA GTAGTAGGACTTGGGTGTTCCGGCGGAGGGACCAAGGTGACCGTCCCTAG

003	p93w55	23	IGLV	CAGACTGTGGTGACCCAGGAGCCATCGTTCTCAGTGTCCCCTGGAGGGACAGTCACTCACTTGTGGCTTGAGCTCTGGCTCAGTCTCTACTA GTTACTACCCAGCTGGTACCAGCAGACCCAGGCCAGGCTCCACGCACGCTCATCTACAGCACAAACTCGCTCTTCTGGGGTCCCTGATCG CTTCTCTGGCTCCATCCTTGGGAACAAAGCTGCCCTCACCATCACGGGGGCCAGGCAGATGATGAATCTGATTATTACTGTGTGCTGTATATGG GTAGTGGCATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w59		IGLV	GACATCCTGATGACCCAGTCTCCTTCCGCCCTGTCTACATCTGTAGGACAGAGTCACTCACTTGCCGGGCCAGTGAAGTCTTGATACTTG GCTGGCCTGGTATCAACAGAAACCAGGGAAAGCCCTAACTCCTCATCTCTAAGGCGTCTACTTTAGAAAGTGGGGTCCCATCAAGGTTACAG GGCAGTGGATCTGAGACCGAATCACTCTCACCATCACAGCCTACAGTCTGATGATTTAGCAACTTATTACTGCCAACAGTATCATAGTTATCCG TTCACTTTTGGCCAGGGGACCAAGCTGGAGATCACAC
003	p93w6		IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAGT TATTATGTATCCTGGTACCAGCAGCTCCCAGGAACAGCCCCAACTCCTCATTTATGACAATAATAAGCGACCCTCAGGGATTCTGACCGATT CTCTGGCTCCAAGTCTGGCACGTACGCCACCTGGGCATCACCGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGGAACATGGGATAG CAGCCTGAGTGTCTGTGGTTTTTCGGCGGAGGGACCAAGCTGACCGTCCCTAG
003	p93w62		IGLV	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAAGTGCACCCAGT GGTCATTATCCCTACTGGTTCCAACAGAAGCCTGGCCAAGCCCCCAGGACACTGATTTATGATAACAAGCAACAAGCACTCCTGGACCCCTGCC GGTTCTCAGGCTCCCTCCTTGGGGGCAAGCTGCCCTGACCCCTTTCGGGTGCGCAGCCTGAGGATGAGGCTGACTATTACTGCTTGCTCTACTA TAGTGGTGTGGGTGTTTCGGCGGAGGGACCAAGGTGACCGTCCCTAC
003	p93w69		IGLV	CAGTCTGCCCTGACTCAGCCTGCCCTCCGTGTCTGGGTCTCCTGGACAGTCCGCTCACCATCTCCTGCACTGGCACCAGCAGTACGTTGGTACCT ATAACTATGTCTCCTGGTACCAACACCACCCAGGCAAAGCCCCAACTCATGATTTTTGATGTCAATAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGCCTCCAGGCTGAAGACGAGGCTGATTATTTCTGCATCTCATATAAAC CAGACTCACCTTTTATGCCTTCGGAAGTGGGACCAAGGTACCGTCCCTAG
003	p93w7		IGLV	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCCAGT GGTCATTATCCCTACTGGTTCAGCAGAAGCCTGGCCAAGCCCCCAGGACACTGATTTATGATAACAAGTAACAATACTCCTGGACACCTGCCCG GTTGTGAGGCTCCCTCCTTGGGGGCAAGCTGCCCTGACCCCTTTCGGGTGCGCAGCCTGACGATGAGGCTGATTATTATTGCTTGCTCTACTAT GGCGGTGCTCGGGTGTTCGGCGGAGGGACCAAGGTGACCGTCCCTAG
003	p93w8		IGLV	CAGTCTGTGCTGACGCAGCCGCCCTCACTGTCTGGGGCCCCAGGGCAGAAGGTACCATCTCCTGCACTGGGAGCAGTTCCAACATCGGGTCA GCTTATGATGTCCACTGGTACCAGCAGTTTTCCAGGAACAGCCCCCAACTCCTCATCTATCGGAACACCGATCGGCCCTCAGGGGTCCCTGACC GATTTCTGCCTCCAAGTCTGGCACCTCAGCCTCCCTGGTCACTACTGGACTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCCATGA CACCAGCCTGAGTGTTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCCCAAG
003	p93w81		IGLV	GACTATTAGCAGCACCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGC ATCCCAGACAGGTTTCACTGGCAGTGGGTCTGCGACAGCACTTCACTCACCATCAGCAGACTGGAGCCTGAAGATTTGCAGTGTATTACTGTCA GCACATGATACTCACCCTCAGACTTTCGGCCCTGGGACCAAGTGTGATATCAAAC
003	p93w82		IGLV	GACATCCAGTTGACCCAGTCTCCATCCTTCTGTCTGCTTCTGTAGGAGACAGAGTCACTCACTTGCCGGGCCAGTCAAGGTCATTAGCAGTT ATTTAGCCTGGTATCAGCAAAAACCAGGGAAAGCCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTACAG GGCAGTGGATCTGGGACAGAATCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTACTGTCAACAGCTTAATAGTTACGT CACTTTCGGCCCTGGGACCACAGTGGATCTCAAAC
003	p93w83		IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACTCACTTGCCGGGCAAGTCAAGCATTAGCAGTT ATTTAAATGGTATCAGCAGAGACCAGGGAAAGCCCTAAGCTCCTGATCTATGCTGCATCCAGTTTGAAGTGGGGTCTCATCAAGGTTACAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAGGATTTTGAACCTTACTACTGTCAACAGGGTTACACCCCGCT CACTTTCGGCGGAGGGACCAAGGTGGAATCAAAC
003	p93w93		IGLV	CAGTCTGCCCTGACTCAGCCTGCCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAACCAGCAGTGTGTTGGGACTT ATAACCTTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAACTCATGATTTATGAGGTGAGTCAAGGCTCAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGTCCAGACTGAGGACGAGGCTGATTATTACTGCTGCTCATATGCAG GGAGTAACACTTTGATATTTGGCGGAGGGACCAAGTTGACCGTCCCTAC
003	p93w97		IGLV	CAGTCTGCCCTGACTCAGCCTGCCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAGCCAGCCGTGACGTTGGTACTT ATGACTATGTCTCCTGGTACCAACTGCACCCAGGCAAAGCCCCAACTCATGATTTATGATGTCAAGTAAAGCGGCCCTCAGGGGTCTCTGATCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTCACCATCTCTGGCCTCCAGGCTGAGGACGAGGCTGATTATTACTGCACCTCATATTCAA CCAGCAGCACTCTTTTTGTCTTCGGAAGTGAACCAAGGTGACCGTCCCTAG
003	p94w100		IGLV	ATCGTCCCTGTCTGCATCTGTAGGGGACAGAGTAACCATGTCTTCCGGGCAAGTCAAGAGCGTTAGGAGTCATTTAAATTGGTATCAACAAAAC CAGGGAAAGCCCCAACTCCTGATCTATGCTGCGTCCAGTTTGTCAAATGGGGTCCACCAAGGTTCAAGCGGCAGTGGCTCTGGGACAGAATT CACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTATTGTTGTCAACAAGGTTTCAGACCCCTCTCAGTTCGGCGGAGGGACCA AGGTGGACATGAATC

003	p94w101	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT AATTATGTTTCCTGGTACCAGCAACTCCCAGGGACAGCCCCAGGCTGCTCATTTATGACAATAAAGCGACCCTCAGATATTCCTGACCGATT CTCTGGCTCCAAGTCTGCCACGTCAGCCACCCTGGGCATCACCCGACTCCAGACTGGGGACGAGGCCGATTATTACTGCGAAACATGGGATAG AAGTCTGCATATGGGGTGTTCGGCGGAGGGACCAAGCTACCCGTCTAG
003	p94w104	IGLV	TTCCACCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGCCAGTCAGAGTATTAGTACTTGGTTGGCCTGGCATCAGCAGCAA CCAGGGAAAGCCCCAAGCTCCTGATCTATAAGGCGTCGAGTTTAGAAAGTGGGGTCCCATCAAGGTTTCAGCGGCAGTGGATCTGGGACAGAAT TCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGAACCTTATTACTGCCAACAGTATAACAGTTATTCTGTCACCTTTGGCCAGGGGACCA AGCTGGAGATCAAAC
003	p94w108	IGLV	GAGATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGGGTGTGCCAGC AECTTAGCCTGGTACAAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGCTGCATCCACCAGGGCCACTGATATCTCAGGCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCACTCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGAATTTATTACTGTGAGCAATAATAACCTGG CCGTACACTTTTGGCCAGGGGACCAAGCTAGAGATCAAAC
003	p94w109	IGLV	GAAATGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTACCAGCA CCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTTCATCCACCAGGGCCACTGGCATCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTGACAGATGATAGCT CATTGTGGACGTTTCGGCCAAGGGACCAAGGTGGACATCAAAC
003	p94w112	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT AATGATGTTTCGTGGTATCAGCAGCTCCAGGAACAGCCCCAAACTCCTCATTTATGACAATAAGAGCGACCCTCAGGGATTCTGACCGAAT CTCTGGCTCCAAGTCTGGCACGTCGCCACCCTGGGCATCACCGACTCCAGACTGGGGACGAGGCCGATTATTATTGCGGAACATGGGATAG CAGCCTGAGAGGTTATGTCTTCGGAAGTGGGACCAAGGTACCGTCTCTCG
003	p94w114	IGLV	CAGTCTGCCCTGACTCAACCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCCTGGAACCAGCACTGACGTTGCTAATT ATAACTATGTCTCCTGGTACCAAAAACCCCAGGCAAAGCCCCAAACTCATTTTTATGATGTCACTAATCGGCCCTCAGGGGTTTCCAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCATCTCATATTCCAC CACCATTACTCATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p94w119	IGLV	CCCTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACAGTGTGCAAATACCTACTTGAATTGGTTTACCAGAGGCCA GGCCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTAACCGGGACTCTGGGGTCCCAGACAGATTTCAGCGGCAGTGGGTGAGGCACTGATTTCA CACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGCAAGGTACACACTGGCCGTACACTTTTGGCCAGGGGACCAA GCTGGAGATCAAAC
003	p94w123	IGLV	CAGACTGTGGTGACCCAGGAGCCATCGTTCTCAGTGTCCCTGGAGGGACAGTCACACTCACTTGTGGTTTGAGCTCTGGCTCAGTCTCTAGTA GTCACTACCCAGTGGTGGCAGCAGACCCAGGCCAGGCTCCACGCGCTCATCTACAGCACACACATTCGCTCTTCTGGGGTCCCTGCTC GTTCTCTGGCTCCATCCTTGGGAACAAAGCTGCCCTCACCATCTCGGGGCCAGGACAGATGATGAATCTGATTATTACTGTGTGCTCTATATG GGTAGTGGCATTTCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p94w127	IGLV	GGGGACAGAGTAACCATGTCTTCCCGGGCAAGTCAGAGCGTTAGGAGTCAATTAATTGGTATCAACAGAAACCAGGGAAAGCCCCAAACTCC TGATCTATGCTGCGTCCAGCTTGTCAAATGGGTGCCATCACGGTTCAGCGCAGTGGTTCTGGGACAGAATTCCTCACCATCAGCAGTCT GCAACCTGAAGATTTTGAACCTTATTGTTGTGACGAGGGTTTCCAGACCCCTCTCACGTTCCGGCGGAGGGACCAAGGTGGACATGAATC
003	p94w129	IGLV	TCTGTACCAGTCTTCATTAATCCCTACTGGTTCCAGCAGAAGCCTGGCCAAGCCCCAGGGCACTGATTTATGATACAAACAACAAAACCTCCTG GACACCTGCCCGTTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCTTTTCGGGTGCGCTGCCTGAGGATGAGGCTGAGTATTACTG CTTGCTCTACTATGGTGGTGTGATCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTCTGG
003	p94w135	IGLV	CAGCTTGTGCTGACTCAATCGCCCTCTGCCTCTGCCTCCCTGGGAGCCTCGGTCAAGCTCACCTGCCTCTGAGCAGTGGGCACAGCAGCTAC GCCATCGCATGGCATCAACAGAAGCCAGAGAAGGGCCCTCGATACTTGTGAAGGTTAACAGTGTGGCAGCCACAGCAAGGGGGACGGGATC CCTGATCGCTTCTCAGGCTCCAGCTCTGGGGCTGAGCGCTACCTCACCATCTCCAGCCTCCAGTCTGAGGATGAGGCTGACTATTACTGTCAGA CCTGGGGCCCTGCCGCTCAAGTGGTCTTCGGCGGAGGGACCAAGGTGACCGTCTCTAG
003	p94w136	IGLV	CAGGCTGTGGTACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCATTGGAGCTGTACCAGT GGTCATTATCCCTACTGGTTCAGCAGAGAAGCCTGGCCAAGCCCCAGGACACTGATTTATGATACAAACAAACAGTCTGGACACCTGCC GGTTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCTTTTCGGGTGCGCAGCCTGAGGATGAGGCTGAGTATTACTGCTTGTCTACTA TAGTGGTCTCGGGTATTTCGGCGGAGGGACCAAGCTGACCGTCTCTAG
003	p94w14	IGLV	ATAACTTTGTCTCCTGGTACCAACAACCCCAGGCAAAGCCCCAAACCATCATCAATTATGATGTCAATAATCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTCATTATTATTGCACTTCATATACAACC CGCATCATTCATTGGGTGTTTCGGCGGAGGGACCAAACTGACCGTCTAG

003	p94w144	IGLV	CAGTCTGCCCTGATTCAGCCTGCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGCCACTT ATAACTATGTCTCCTGGTACCAAAAACACCCAGGCAAAGCCCCAAACTCATAATTTATGATGTCACTAGTCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATAT
003	p94w146	IGLV	TGTGTTGACGCAGCCGCCCTCAATGTCTGCGGCCCCAGGACAGAGGGTCAACATCTCCTGCTCTGGAAGCAGCTCCAATATTGGAAGCAATTAT GTATCCTGGTACCAGCACCTCCAGGAACAGCCCCAGACTCCTCATTTTTGACAGTAATGACCGACCCTCAGGGATTCTGACCGATTCTCTG GCTCCAAGTCTGGGACGTCAGCCACCCTGGGCATCACCGGAGTCCAGGCTGGGGACGAGGCCATTATTACTGCGGAGCATGGGATAACAGC CTGAGTGCTGTGGTATTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p94w15	IGLV	CCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCACCAGTGACCTTGGTACTTATAATCAT GTCTCCTGGTACCAACAACACCCAGGCAAACCCCCAAACTCATGATTTATGATGTCAAGCGGCCCTGGGGGGTTTCTAATCGCTTCTCTGG CTTCAAGTCCGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCACCTCATATACAACCAGCAGC GCTCTCTATGTCTTCGGACCTGGGACCAAGGTACCGTCCTAG
003	p94w159	IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGCCAGGCGAGTCAGGACATTAGCAACT GTTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCTAAGCTCCTGATCTACGATGATTCAATTTGAAACAGGGGTCCCATCAAGGTTCCAGT GGAAGTGGATCTGGGACAGATTTACCTTACCATCAGCAGCCTGCAACCTGAAGACATTGCAACATATTACTGTCAACAGTATGATAATCTCCC GCTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p94w162	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACGTTGGTAATT ATAACTATGTCTCCTGGTACCAGCAATACCCAGGCAAAGCCCCAAACTCATGATTTATGATGTCAAGTAATCGGCCCTCAGGGGTTTCAAATCGC TTCTCTGCCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATTCAA CCAGCGACACTCCCTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p94w168	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACATTGGTGT ATAACTTTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATAATTTATGATGTCAATAATCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTCATTATTATGCACTTTCATATACAACC CGCATATTCATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p94w17	IGLV	TTCTGCAGGGCCAGTCAGACTGTTAGCAGCACCTATTAGCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGGCTCCTCATCTTTGGTGCAT CCAGCAGGGCCACTGGCATCCCAGACAGGTTCACTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATT TTGCAGTTTATTACTGTCAGCAGTATACTACCTCAATTACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p94w172	IGLV	AGGCAGCTCCAAGCTCGGAAGTCATACTGTGAAGTGGTACCAGCAGCTCCAGGAACGGCCCCAAACTCCTCATCTATAATAATGATCAGCGG CCCTCAGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGAT TATTATTGTACAGCATGGGATGACAGCCTGAATGGTCCGGTCTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p94w174	IGLV	AATGTTGTATGACTCAGTCTCCACTCTCCCTGCCCGTCAACCTTTGGACAGCCGGCTCCATCTCCTGCAGGTTAGTCAAAGCCTCGTATACAG TGATGCAAATACCTACTTGAATTGGTTTTACCAGAGGCCAGGCCAATCTCAAAGGCGCCTAATTTATAAGGTTTCTAACCAGGGACTCTGGGGTCC CAGACAGATTACAGCGCAGTGGGTGAGGCACTGATTTACACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGCA AGGTACACACTGGCCGTACACTTTTGCCAGGGGACCAAGCTGGAGATCAAAC
003	p94w175	IGLV	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAAGCAGCTCCAACATTGGGAAT AATTATGTATCCTGGTACCAGCAGCTCCCAGGAACAGCCCCAAACTCCTCATTTATGACAACAATAAGCGGCCCTCAGGGATTGCTGACCGATT CTCTGGCTCCAAGTCTGGCAGTCAAGCACCCCTGGGCATCACCGGACTCCAGACTGGGGACGAGGCCGACTATTACTGCGGAACATATGATAG TAGCCTGAGTGTTATGTCTTCGGAATTGGGACCAGGCTCACCGTCCTAG
003	p94w176	IGLV	GAGATTGTGTTGACGCAGTCTCCAGACACCCTGTCTTTGTCTCCAGGGGAAAGACCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCACCT ACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTTCA GTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTGCAGTGTATTACTGTCAGCA
003	p94w177	IGLV	ATTAGGAGCTATTTAAATTGGTATCAGCAGAAACCAGGAAAGCCCCCTAAGCTCCTGATCTATGCTGCATCCAGTTTACAAAGTGGGGTCCCATC AAGGTTCACTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTGCAACTTACTACTGTCAACAGAGTT ACAGTACCCCGCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p94w178	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGGGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTACCAGCA CCTACTTAGGCTGGTACCAGCAGAAACCTGGCCAGGCTCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAACCTGAAGATTTGCAGTGTATTACTGTCAGCAGTATGGTAGC TCACCATTCACTTTTCGGCCCTGGGACCACAGTGGATATCAAAC
003	p94w18	IGLV	CGGGGCAGGTTATAATGTACAGTGGTACCAGCAGCTTCCAGGAACAGCCCCAAACTCCTCATCTATGGTGACAACAATCGTCCCTCAGGGGTCC CCTGACCGATTCTCTGACTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGT CCTATGACACCAGCCTGAGTGGTATGTCTTCGGAATTGGGACCAAGGTCACCGTCCTAG

003	p94w185		<i>IGLV</i>	GGAGACAGAGTCAACCATCACTTGCCGGGCAAGTCAGAGCATTAGGAGCTATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCTAAGCTCC TGATCTATGCTGCATCCAGTTTACAAAGTGGGGTCCCATCAAGGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTG CAACCTGAAGATTTTGAACCTTACTACTGTCAACAGAGTTACAGTACCCCGCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p94w193		<i>IGLV</i>	ACAGAGTAACCATGTCTTGGCCGGGCAAGTCAGAGCGTTAGGAGTCATTTAAATTGGTATCAACAAAAACCAGGGAAAGCCCCTAAACTCCTGATC TATGCTGCGTCCAGTTTGTCAAATGGGGTCCCATCAAGGTTTCAGCGGCAGTGGTTCTGGGACAGAATTCCTCTCACCATCAGCAGTCTGCAAC CTGAAGATTTTGAACCTTATTGTTGTCAACAGGGTTTCAGACCCCTCTACGTTTCGGCGGAGGGACCAAGGTGGACATGAATC
003	p94w2		<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGACCAGTCAAGTGTAGTAGCA CCTACGTAGACTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCAGTATGATAG GTCACGGGCATTTCGGCCAAGGGACCAAGGTGGAATCAAAC
003	p94w20		<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTACCATCTTGTCTTGGAAAGCAGCTCCAACATCGGAGGT AATACTGTAAACTGGTACCAGCAACTCCCAGGAACGGCCCCAACTCCTCATCTATCGTAATAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTACTGTGCAACATGGGATGT CACCTGAATGGACATGTGGTATTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p94w21		<i>IGLV</i>	CAGACTGTGGTGACCCAGGAGCCATCGTTCTCAGTGTCCCGTGGAGGGACAGTCACTCACTCACTTGTGGCTTGACCTTGCCCTCAGTTTCTACTA GTCCTACCCAGTTGGTACCGCCAGACCCAGGCCAGGCTCCACGCACGCTCATCTACAACACAAACTCGGTCTTCTGGGGTCCCTGATCG TTTCTCTGGCTCCATCCTTGGGAACAAAGCTGCCCTCACCATCGCGGGGCCAGGCAGATGATGATTCTAATTATTATTGTGTGTTGTATATGG GTGGAGGCATTTCCGGTGTTCGGCGGAGGGACCAAGGTGACCGTCTAG
003	p94w25		<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCAGT GGTCATTATCCCTACTGGTTCAGCAGAAGCCTGGCCAAGCCCCAGGACACTGATTTTTGATACGTTCAACAAACAGTCCCTGGACACCTGCC GTTTTTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCCTTTCGGGTGCGCAGCCTGAGGATGAGGCCGACTATTACTGCTTGCTCTACTA TGGTGGTCTCGGTATTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p94w26		<i>IGLV</i>	GAAATTGTGTTGACACAGTCTCCAGCCACCCTGTCTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAAGTGTAGCAGCT ACTTAGCCTGGTACCAACAGAAACCTGGCCAGGCTCCAGGCTCCTCATCTATGATGCATCCAACAGGGCCACTGGCATCCCAGCCAGGTTTCAG TGGCAGTGGTCTGGGACAGACTTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTTTATTACTGTCAGCAGCGTAGCAACTGG CTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p94w3		<i>IGLV</i>	AATGTTGTCATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACAG TGATGCAAAATACCTACTTGAATTGGTTTTACCAGAGGGCCAGGCAATCTCCAAGGCGCCTAATTTATAAGGTTTCTAACCGGGACTCTGGGGTCC CAGACAGATTCAGCGGCAGTGGGTACGGCACTGATTTTCACTCACTAAGGATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGCA AGGTACACTGGCCGTACTTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p94w30		<i>IGLV</i>	CCCTGTCTGCATCTGTAGGAGACAGAGTCAACATCACTTGGCCGGGCAAGTCAGAGCATTAGGAGCTATTTAAATTGGTATCAGCAGAAACCAGG GAAAGCCCCAAGCTCCTGATCTATGCTGCATCCAGTTTACAAAGTGGGGTCCCATCAAGGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTC TCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTTACTACTGTCAACAGAGTTACAGTACCCCGCTCACTTTTCGGCGGAGGGACCAAGGTG GAGATCAAAC
003	p94w35	24	<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAATATTTTATACA GCTCCAACAAAAAGAACTACTTAGCTTGGTACCAGCAGAAACCAGGACAGTCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTTCAGTGGCAGCGGGTCTAGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTATAACTCCGTACTTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p94w44		<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAAGTGTACCAGT GGTCATTATCCCTACTGGTTCAGCAGAAGCCTGGCCAAGCCCCCGGACACTGATTTATGATACAAGCAACAAACAGTCCCTGGACACCTGCC GATTTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCCCTTTCGGGTGCGCAGCCTGAGGATGAGGCTGACTATTACTGCTTGCTCTACTA TAGTGGTGTCTCGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p94w46		<i>IGLV</i>	GCCAGTGTGACGTTGGTACTTATGACTATGTCTCCTGGTACCAACTGCACCCAGGCAAGCCCCAACTCATGATTTATGATGTCCTAAGCG GCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCTCCCTCACCATCTCTGGCTCCAGCCTGATGACGAGGCTGAT TATTACTGCACCTCATATTCAACAGCAGCACTTTATGTCTTCGGAAGTGAACCAAGGTACCGTCTAG
003	p94w47		<i>IGLV</i>	GCCTATGAGCTGACTCAGCCACTCTCAGTGTGAGTGGCCCTGGGACAGACGGCCAGGATTACCTGTGGGGGAAACAACATTGGAAGTAAAAATG TGACTGGTACCAGCAGAAGCCCCGGCCAGGCCCTGTCTGGTCACTATAGGAATACCAACCGGCCCTCTGAGATCCCTGAGCGATTCTCTG GCTCCAACCTCGGGGAAACACGGCCACCCTTACCATCAGCAGAGCCCAAGCCGGGGATGAGGCTGACTATTACTGTCAGGTGTGGGACAGCAGAA CCTATGTCTTCGGAAGTGGGACCAAGGTACCGTCTAG



003	p94w48	<i>IGLV</i>	AATGTTGTCATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACAG TGATGCAAATACCTACTTGAATTGGTTTCACCAGAGGCCAGGCCAATCTCCAAGGCCCTAATTTATAAGGTTTCTAACCGGGACTCTGGGGTCC CAGACAGATTACAGCGGCAGTGGGTACAGGCACTGATTTACACACTGAAATCAGCAGGGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGCA AGGTACACACTGGCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p94w5	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGGCACTCAGTACCATCTCCTGCACTGGAACCAGCAGTACAATGTTTATT ATGACTATATCTCCTGGTACCAACTTTCCAGGCAAAGCCCCAACTCATAATTTATGAGGTCACTAAGCGGCCCTCAGGGGTCCCTGATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTATTGCAGCTCATATGCGGG CGCCAACAGGGTCTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p94w55	<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGAAGGTCACCATCTCCTGCTCTGGAACCAACTCCAACATTGAAAATA ATTATGTATCCTGGTACCAGCAGGTCCCAGGAACAGCCCCAACTCCTCATTTATGACAATAAAGCGACCCTCAGGGATTCTGACCGATTCT TCTGGCTCCAAGTCTGGCACGTCAGCCACCCTGGGCATCACCAGCTCCAGACTGGGGACGAGGCCGATTATTACTGCGGCACATGGGATAAC AGCCTGAGTGTGTGCTTTTCGGCGGAGGGACCAAGCTGACCGTCTGG
003	p94w59	<i>IGLV</i>	CAGACTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGCTTCCAGCACTGGAGCAGTACCAGT GGTAACTATCCAACTGGTTCAGCAGAACTGGACAGGCACCCAGGGCACTGATTTATAAAACAAACAACAGACTCCTGGACCCCTGCC GGTTCTCGGGCTCCCTCCTTGGGGCAAAGCTGCCTGACACTGTCAAGTGTGCAGCCTGAGGACGAGGCTGAATATTATTGCCTGCTCTACTATG GTGGTGTGTGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTTG
003	p94w6	<i>IGLV</i>	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGAGAGTCACTCTCACCTGTGGCTCCCGCACTGGAACGTCAACAGT GGTCATTATCCCTACTGTTCCAGCAGAAGCCTGGCCAAAGCCCCAGGACACTGATTTATGATAACAAGCAACAACACTCCTGGACCCCTGCC GGTTCTCAGGCTCCCTCCTTGGGGCAAAGCTGCCCTGACCTTTTCGGGTGCGCAGCCTGAGGATGAGGCTGAGTATTATTGCATGCTCTCCTA TGGTACTACTTGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAC
003	p94w62	<i>IGLV</i>	ACTTAGCCTGGTACCAGCAGAAGCCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCACTGGCATCCCAGCCAGGTTCA GTGGCAGTGGGTCTGGGACAGAGTTCCTCACCATCAGCAGCCTGCAGTCTGAAGATTTTGCAGTTTATTACTGTCAGCAGTTAATAACTGG CCTCCGATCACCTTCGGCCAAGGGACACGACTGGAGATTAAC
003	p94w7	<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAGCCAGCAGTACGTTGGTACTT ATGACTATGTCTCCTGGTACCAACTGCACCCAGGCAAAGCCCCAACTCATGATTTATGATGTCACTAAGCGGCCCTCAGGGGTT
003	p94w81	<i>IGLV</i>	GAAATTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAAGTGTGAGCAGCA CCTACTTAGCCTGGTACCAGCAGAACTGGCCAGACTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGT
003	p94w82	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCAACCATCTCTTGTCTGGAGGCAGTCCAACGTCCGAAGT CATACTGTGAACTGGTACCAGCAGTCCCAGGAACGGCCCCAACTCCTCATCTATAAATGATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTTTTGTACAGCATGGGATGA CAGCCTGAATGGTCCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p94w83	<i>IGLV</i>	TCCTATGTGCTGACTCAGCCACCCTCAGTGTGAGTGGCCCCCGAAAGACGGCCAGGATTACCTGTGGGGGAATCAACATTGGAATTAAGTGTG TAACTGGTACCAACAGAAGCCAGGCCAGGCCCTGTATTGGTCACTATTATGATAGCAGCCGGCCCTCAGGGATCCCTGAGCGATTCTCTGG CTCCAAGTCTGAGAACACGGCCACCCTGACCATCAGCAAGGTGCAAGCCGGGGATGAG
003	p94w93	<i>IGLV</i>	TATTAACAATTTGGTTAGCCTGGTATCAGCAGAAACCAGGGAAAGCCCCAAGTCCCTGATCTATGCTGCATCCACTTTGCAAGGTGGGGTCCCAT CAAGGTTACCGGGCAGTGCATCTGGGACAGATTTCACTCTACCATCAGCAGCCTGCAGCCTGAAGATTTTGAACATTATTACTGCCAACAGTAT AATAGTTACCCTGTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p94w94	<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGGAGGGCCACCATCAACTGCAGGTCCAGCCAGAGTCTTTTATCCA GCTCCAACAATAACAATACTTAGCTTGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTTCACTCTACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CACCAATATTTTGTACCCCTCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p95w100	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTCAACCATCTCTTGTCTGGAAGCAGCTCCAACATCGGAAAA AATGCTGTAATTTGGTACCAGCGGCTCCCAGGAACGGCCCCAGACTCCTCATCTTTGGTAATAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGTTTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATTAGTGGGCTCCAGTCTGAAGATGAGGCTGATTTTTACTGTCAACATGGGATGAC AGAGTGAATGGTCCGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAC
003	p95w101	17	<i>IGLV</i> CTGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCCTACTCATTCTTTATGAGGTCAATAAGCGGCCCTCAGGGGTCCCTGATCGCTTCTC TGGCTCCAGGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCAGCTCATATGCAGGCAA CAACAATGTGATATTCGGCGGAGGGACCAAGGTGACCGTCTAG

003	p95w104	18	<i>IGLV</i>	GAGATTGTGTTGACGCAGTCTCCAGACACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTACCAGCA CCTACTTTGCCTGGTACCAGCAGAGACCTGGCCAGGCTCCCAGGCTGCTCATCTATGGTGCAACCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTTTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCAGTATGGTAGC TCACCTCACACTTTCGGCGGAGGGACCCAGGTTGGAGATCAAAC
003	p95w108		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGTCAGAGTATTTTATTCA GCTCCAAACAATAAGAATACTTAGCTTTGGTACCAGGAGAAACCAGGACAGCCTCCTCAGTTGCTCATTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTAGTGGCAGCGGGTCTGGGACAGATTTCACTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTACTTTACTCCCCTCACTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p95w109		<i>IGLV</i>	GACAGCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCGAGTCAGGACATTGGGCATT TTTTAGCCTGGTATCAGCAGAAACCAGGGACAGTTCCTAACTCCTGATCTTTGATGCTTCCAGTAGTCAATTAGGGGTCCCATCTCGGTTCACT GGCAGTGGATCTGGGACAGAATTCACCTCACCATCAGCAGCCTGCAGCCTGAAGATGTGCAACTTATTACTGTCAAAGTATGACAGTGGCC CGTGGACGTTCCGCCAAGGGACCAAGGTGGAAGTCAAAC
003	p95w111		<i>IGLV</i>	GATGTTGTGATGACTCAGTCTCCACTCTCCCTGCCCGTACCCTTGGACAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAAAGCCTCGTATACA GTGATGCAAAACACCTACTTGAATTTGGTTTACCAGAGGCCAGGCCAGTCTCCAAGGCGCCTAATTTATAAGTTTCTAACCGGGACTCTGGGGTC CCAGACAGATTCAGCGGCAGTGGGTACGGCACTGATTTCACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGGCTTTATTACTGCATGC AAGGTACACACTGGCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p95w112		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCTCGATCACTTGCCGGGCAAGTCAGAGCGTTAGTACTT GGGTAATTTGGTATCAGCAGAAACCAGGGCAAGCCCAAACTCCTGATCTATGCTACATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTCACT GGCAGTGGATCTGGGACAGACTTCACTTTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAATTTACTTCTGTCAACAGACTTCCAGCAGCCC TTCCGTCACCTTTCGGCGCAGGGACCAAGGTGGAGATCAAAC
003	p95w113		<i>IGLV</i>	GAAATTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCA CCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCC
003	p95w126		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCAGCAGTGACGTTGGTGGTT ACGACTATGTCACCTGGTACCAACAGCACCCAGGCCAAAGCCCCAACTCATGATTTATGGTGTCACTAAGCGGCCCTCAGGGGTTTCTAATCG CTTCTCTGGCTCCAAGTCTGGCAATACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGCGGCTGATTATTACTGTAGCTCATATACAA GCAGCAGCACTGTGGTATTCCGGCGGAGGGACCAAGCTGACCGTCTTG
003	p95w136		<i>IGLV</i>	GGGGACAGAGTAACCATGTCTTGCCGGGCAAGTCAGAGCGTTAGGAGTCATTTAAATTGGTACCAACAAAAACCTGGGAAAGCCCTAACTCC TGATCTATGCTGCGTCCAGTTTGTCCGCTGGGGTCCCATCAAGATTCAGCGGCAGTGGTTCTGGGACAGAGTTCACTCTCACCATCAGCAGTCT GCAACCTGAAGATTTTGAACCTATTGTTGTCAACAGGGTTTCCAGACCCCTCTCACGTTCCGGCGGAGGGACCAAGGTGGACATGAATC
003	p95w14		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCAGTGGAAACCAGCAGTGACATTGGTGT ATAACTTTGTCTCCTGGTACCAACAACACCCAGGCCAAAGCCCCAACTCATAATTTATGATGTCAATAATCGGCCCTCAGGGGTTTCTAATCGCT TCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTCATTATTATGCACTTCATATACAACC CGCATATTCAATTGGGTGTTCCGGCGGAGGGACCAAACTGACCGTCTG
003	p95w145		<i>IGLV</i>	GGACAGAGTAACCATGTCTTGCCGGGCAAGTCAGAGCGTTAGGAGTCATTTAAATTGGTACCAACAAAAACCTGGGAAAGCCCTAACTCCTG ATCTATGCTGCGTCCAGTTTGTCCGCTGGGGTCCCATCAAGATTCAGCGGCAGTGGTTCTGGGACAGAGTTCACTCTCACCATCAGCAGTCTGC AACCTGAAGATTTTGAACCTATTGTTGTCAACAGGGTTTCCAGACCCCTCTCACGTTCCGGCGGAGGGACCAAGGTGGACATGAATC
003	p95w15		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCGCCATCTCCTGCAGTGGAAACCAGCAGTGACGTTGGTCTGTT ATAACTATGTCTCCTGGTACCAGCAGCACCCAGGCCAAAGCCCCAACTCATGATTTATGATGTCAAGTAAATCGGCCCTCAGGGGTTTCCAATCGC TTCTCTGGCTCCAAGTCTGACACCACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGTTTCATATACAAC CATCAACACTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCTG
003	p95w159		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTTTTATTCA GCTCCAAACAAAAAGAATACTTAGCTTTGGTACCAGCAGAAACCAGGACAGCCTCCTAAGTTGCTCATTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTATTGT CAGCAATATTATACTACTCCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p95w162		<i>IGLV</i>	GCCATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATTTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGGGCATTAGAAATG ATGTAGGCTGGTATCAGCAGAAACCAGGGAAAGCCCCCTAAGCTCCTGATCTATGTTGCATCCAGTTTAGAAAAGTGGGGTCCCATCAAGGTTTCAG CGGCAGTGGATCTGGCAGAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTACTGTCTACAAGATTACATTTACCC GTGGACGTTCCGCCAAGGGACCAAGGTGGAATCAAAC

003	p95w163		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGATGTTGGGAGTT ATAACCTTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTTTGAGGTCACTAAGCGGCCCTCAGGGGTTTCTGATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGCTCCAGTCTGAGGACGAGGCTGATTATTACTGCTGCTCATATTCAGG TTATACCACTTATGTAGTCTTCGGCGGAGGGACCAAGCTGACCTGGCCTCTGG
003	p95w168		<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCTAGGGGAAAGACCACCCTCTCCTGCAGGGCCAGCCAGAGTATTACCAGCA GCTACTTAGCCTGGTACCAGCAGAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCTTTATGTTAGC TCTTCCCTTTTCGGCCCTGGGACCAAAGTGGATATCAAAC
003	p95w172	19	<i>IGLV</i>	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCAACCATCTTGTCTGGAGGCAGCTCCAACGTCGGAAGT CATACTGTGAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAAACTCCTCATCTATAATAATGATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTATTGTACAGCATGGGATGA CAGCCTGAATGGTCCGGTGCTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p95w174		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGGGACAGAGTAACCATGTCTTGCCGGGCAAGTCAGAGCGTTAGGAGTC ATTTAAATTGGTACCAACAAAACCTGGGAAAGCCCCAAACTCCTGATCTATGCTGCGTCCAGTTTGTCCGCTGGGGTCCCATCAAGATTCAGC GGCAGTGGTTCTGGGACAGAGTTCACCTCTACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTATTGTTGTCAACAGGGTTTCAGACCCC TCTCACGTTCCGGCGGAGGGACCAAGGTGGACATGAATC
003	p95w178		<i>IGLV</i>	CAGTCTGTGTTGACGCAGCCGCCCTCAGTGTCTGCGGCCCCAGGACAGATGGTACCATCTCCTGCACTGGAAGCAGCTCCAACATTGGGACT AATCATGTCTCCTGGTACCAGCAAGTCCCAGGAAAAGTCCCCAGACTCCTCATTGATGCCTATAAAAAGAGACCCTCAGGGATTCTGACCGATT CTCTGGCTCCAAGTCTGGAACGTCAGCCACCCTGGACATCACCGGCCCTCCAGACTGGGGACGAGGCCGATTATTACTGCGCAACATGGGATAA CACTTTGAGTGGTGTGGTTTTTCGGCGGAGGGACTAAGTTGACCGTCTAG
003	p95w184		<i>IGLV</i>	ACTTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGATAGACCACCCTCTCCTGCAGGGCCAGTCAGACTGTCAGCAGCACT TACTTAGCCTGGTTTTCAGCAGAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGTCTCCAGCAGGGCCACTGGCATCCCAGACAGGTTCA GTGGCAGTGGGTCTGGGACAGACTTCACTCTACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGT
003	p95w185		<i>IGLV</i>	AACCTGCCTCCGTGTCTGGGTCTCCTGGACAGTTCGATCACCATCTCCTGCACTGGAACCAGCACTGACGTTGTGTAATTATAACTATGTCTCCTGG TACCAAAAACACCCAGGCCAAAGCCCCAAACTCATATTTATGATGTCACTAATCGGCCCTCAGGGGTTTCCAATCGCTTCTCTGGCTCCAAGTC TGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCATCTCATATTCCACCACCATTACTCATTGGG TGTTCCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p95w187		<i>IGLV</i>	CAGCCTGTGCTGACTCAGCCACCTTCTCCTCCGCATCTCCTGGAGAATCCGCCAGACTCACCTGCACCTTGTCCAGTGACATCAGTGTGCGA ACTACAACATATATTGGTATCAGCAGAAGCCCCGGGAGCCCTCCCAGGTATCTCCTGTACTACTCAGACTCAGATAAGGGCCAGGGCTCTGG AGTCCCCAGCCGTTCTCTGGATCCAAGGATGTCTCAGCCAATACAGGGATTCTACTCATCTCCGGGCTCCAGTCTGAGGATGAGGCTGACTAT TACTGTATGATTTGGCCAGGCAATCTTTCGGTTTTTCGGCGGAGGGACCAAGCTGACCGTCTAA
003	p95w191		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGATGTTGGGACTT ATAACCTTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAAACTCATGATTTTTGAGGTCACTCAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACAATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTATTGCTGCTCATATGCAG GTAGTAGCACTCGGGTGTTCGGCGGAGGGACCAAGCTGACCGTCTAA
003	p95w193		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCAACTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGTATTAGTAATTA TTTAAATTGGTATCAGCAGAAAACAGGGAAAAGCCCCAGGCTCCTGATCTATGATGCATCCAGTTTCTAAGTGGGGTCCCATCAAGGTTCAAGT CCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGATTTTGAACCTATTCTGTCAACAGAGTCACAGTGCCCCG TACACGTTTGGCCAGGGGACCAAGCTGGAGATCAAGG
003	p95w2		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCAGCCTCCGTGTCTGGCTCTCCTGGACAGTCGATCACCATCTCCTGTACTGGAACCAGTAGTGATGTTGGGAGTT ATAACCTTGTCTCCTGGTACCAACAATACCCAGGCAAAGCCCCAAACTCTTAATTTTTGAAGTCTTCGAGCGGCCCTCAGGGGTTTCTAATCGG TTCTCTGGCTCCAAGTCTGGCAATACGGCCTCCCTGACGATCTCTGGCCTCCAGGCTGAGGACGAGGCTGATTATTATTGCTGCTCATATGTATT TAGAAGTACTTCTTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTGG
003	p95w203		<i>IGLV</i>	CCCTCCGCGTCCGGGTCTCCTGGACAGTCAAGTCAACATCTCCTGCGCTGGAACCACCAGTGACGTTGGTGGTTATAACTCTGTCTCCTGGTACC AACAACACCCAGGCAAAGCCCCAAACTCATAATTTATGAGGTCACTAAGCGGCCCTCAGGGGTTCCCTGATCGCTTCTCTGGCTCCAAGTCTGG CAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTATTTCTGCAGCTCATATGCAGGCAGCAACAATGTGGTATTC GGCGGAGGGACCAAGCTGACCGTCTAG
003	p95w25		<i>IGLV</i>	GACATCCAGTTGACCCAGTCTCCATCGTTCCCTGTCTGCATCTGTTGGAGACAGAGTCACCATCACTTGCCGGGCCAGTCAGGGCATTAGGTATTA TTTAGGCTGGTATCAGCAAAGCCAGGGAAAGCCCCAAAGCTCCTGATCTATACTGCATCCACTTTGCAAAGTGGGGTCCCATCAAGTTTCAGC GGCAGTGGATCTGGGACAGAATCACTCTC

003	p95w26		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCACCCTCCCTGTCTGCATCTGTTGGAGACAGAGTCATCATCACTTGCCGGGCAAGTCAGACCATTGCGAGAT TTTTAAATTGGTATCAGCAGAAGCCAGGGAAAGCCCCAAACTCCTGATCCATGGTGCATCCACTTTGCAGACTGGGGTCCCATCAAGTTTCAGT GGCGGTGGGTCTGAGACAGAATCACTCTCACCATCAGCAGCTGCAACCCGAAGACTCCGCAACTTACTACTGTCAACAGAGTTACACTAGCT CTCTTTGACGTTTCGGCCAAGGGACCAAGGTGAAATCAGAC
003	p95w3		<i>IGLV</i>	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAATGTTTTATACA GCTCCAAACAATAAGAACTTCTTAGCTTGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATGTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTTTGGTCTCCTTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
003	p95w30		<i>IGLV</i>	GAGATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCATCCTGTTTTATACA GGTCCCACAATAAGAACTTCTTAGCTTGGTACCAACAGAAATTAGGACAGGCTCCTAAGTTACTCATTTACTGGGCATCTACCCGGGAATCCGGG GTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTCCAGCCTGAAGATGTGGCAGTTTATTACTGT AGCAATATTTTGGTACTCCCCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC
003	p95w35		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGATCCAGCAGTGACGTTGGTGATT ATGACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCCAAAGTCATTATTTATGCTGTCAATAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGCCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAA GCAGCAGCACTGTGTTATTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p95w36	25	<i>IGLV</i>	CAGCTTGTGCTGACTCAATCGCCCTCTGCCTCTGCCTCCCTGGGAACCTCGGTCAAGTCCACTGCACTCTGAGTAGTGGGCACAGCACCTACG CCATCGCTGGCATCAGCAGCAGCGGAGAAGGGCCCTCGATATTTGATGAAACTTTACAGTGATGGCAGACATCAAGGGGGACGGGATCC CTGATCGCTTCTCAGGCTCCAGCTCTGGGGCTGAGCGCTACCTCACCATCTCCAGCCTCCACTCTGAGGATGAGGCTGACTATTACTGTCAGAC CTGGGACACTGGCATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p95w37		<i>IGLV</i>	GATATTGTGATGACCCAGACTCCACTCTCTGTCCGTACCCCTGGACAGCCGGCCTCCATCTCCTGCAAGTCTAGTCAGAGCCTCCTGCATA GTGATGGAACGACCTATTTGTATTGGTATCTGCAGAGGCCAGGCCAGCCTCCACAGCTCCTGATCTCTCAAGTTTCCAACCGTTCTCAGGAGT GCCAGAAAGGTTAAGTGGCAGCGGGTCCAGGGACAGATTTACACTGAAAATCAGCCGGGTAGAGGCTGACGATATTGGGATTTATTTCTGCATG CAAAGTGTACAGCTTCCGTACACTTTTGGCCAGGGACCAAGTGGAGATCAAAC
003	p95w44		<i>IGLV</i>	CAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTACCATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGC AGGTTATGGTGTCCACTGGTACCAGCAGCTTCCAGGAACAGCCCCAAACTCCTCATCTATGGTAACAGCAATCGGCCCTCAGGGGTCCCTGAC CGATTCTCTGGCTCCAGGTCTGGCACCTCAGCCTCCCTGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGGCCTATG ACAGCAGCCTGAGTGTTTTGAATTATGTCTTCGGAACCTGGGACCAAGGTACCCGTCCTAG
003	p95w46		<i>IGLV</i>	CAGTCTGCCCTGACTCAACCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCTTCGACGACGTTGGTCATC ATAACTATGTCTCCTGGTACCAAAAACACCCAGGCAAAGCCCCAAACTCATTTATGATGTCACATAATCGGCCCTCAGGGGTTTCCAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCATCTCATATTTCCAC CACCATTACTCATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p95w47		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCTTCGACGACGTTGGTCATC GTGACTATGTCTCCTGGTACCAACATTTTCCAGGCAAAGCCCCAAACTGATGATTTATGATGTAACCGAACGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAGAACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCGCATATACAA GGGTCGACACTTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCCTAG
003	p95w48		<i>IGLV</i>	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTAGCAGCA CCTACTTATCCTGGTACCAGCAGAAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTT CAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCAGCA
003	p95w5		<i>IGLV</i>	GACATCCAGATGACCCAGTCTCCATCCTCCCTGCCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCATCT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCAAGCTCCTGATCTATGGTGCATCCAGTTTGCAAAGTGGGGTCCCATTGAGGTTTCAGT GGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAACCTGAAGACTTTGCAAACCTTACTACTGTCAACAGAGTTACAGTACCCC TCGAACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC
003	p95w51		<i>IGLV</i>	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACTGGAACCTTCGACGACGTTGGTCATC GTGACTATGTCTCCTGGTACCAACATTTTCCAGGCAAAGCCCCAAACTGATGATTTATGATGTAACCGAACGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAGAACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCGCATATACAA GGGTCGACACTTGGGTG
003	p95w55		<i>IGLV</i>	GACATCCAGATGACCCAATCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTGCCTTCTA TTTTAAATTGGTATCAACAGAAACCAGGAAAAGCCCCGAGCTTCTGATCTCTGCTGCATCGAATTTGCAAAGTGGGGTCCCATCAAGGTTT

003	p95w59	IGLV	CAGGCTGTGGTGACTCAGGAGCCCTCACTGACTGTGTCCCCAGGAGGGACAGTCACTCTCACCTGTGGCTCCAGCACTGGAGCTGTCACCAGT GGTCATTATCCCTACTGGTTCCAGCAGAAGCCTGGCCAAGTCCCCAGGACACTGATTTATGATACTAACTAACAAACAGTCCTGGACACCTGCCCG GTTCTCAGGCTCCCTCCTTGGGGGCAAAGCTGCCCTGACCTTTCCGGGTGCGCAGCCTGAGGATGAGGCTGAGTATTACTGCTTGCTACTAT AGTGGTGATCGGGTTTTCGGCGGAGGGACCAAGCTGACCCCTAC
003	p95w6	IGLV	GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTTTTATTCA GTTCCAAAGTAAGAATACTTAGCTTGGTACCAGCAAAAACAGGACAGCCCCCTAACCTGCTCATTACTGGGCATCTACCCGGGAATCCGG GGTCCCTGACCGATTGAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGT CAGCAATATTATAGTACTCCGTACTTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p95w69	IGLV	CAGTCTGCCCTGACTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCACTCACCATGTCTGCACTGGAACCAGCAGTACGTTGGTAATT ATAACTGTGTCTCCTGGTACCAACAACACCCAGGCAAAGCCCCAACTCATGATTTATGAGGTGAGTAAAGCGGCCCTCAGGGGTCCCTGACCG CTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCGTCTCTGGGCTCCAGGCTGAGGATGAGGCTGATTACTACTGCAGCTCATATGGG GGTAGCACC AATCTGATATTGCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p95w7	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGACAGAGCCACCCTCTCCTGCAGGGCCAGTCACTATTAGCAGCA ACTACTTAGCCTGGTACCAGCAGAAACCTGGCCTGGCTCCAGACTCCTCATCTTTGGTGCATCCAACAGGGCCACTGGCGTCCCCGACAGGTT CAGTGGCAGTGGGTCTGGAACAGACTTCACACTCACCATCACCAGACTGGAGCCTGCAGATTTTGCGGTATATTACTGTCAGCAGTTTGATACCC CACCGCTCACTTTGCGGCGGAGGGACCAAGGTGGAGATCAAGC
003	p95w8	IGLV	GATATTGTGATGACTCAGTCTCCACTCTCCCTGTCCGTCACCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAGTCAGAGCCTCCTCCATA GTAATGGATAACAAGTATTGGACTGGTACTGCAAGGCCAGGGCAGTCTCCACAGCTCCTGATCTATTTGGGTTCTAATCGGGCCTCCGGGGT CCCTGACAGGTTCACTGGCAGTGGATCAGGCACAGATTTTACTGAAAATCAGCAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATG CAAGCTTACAACTCCGTTCACTTCGCGCAAGGGACACGACTGGAGATTAAC
003	p95w81	IGLV	GACATCCAGTTGACCCAGTCTCCATCCTTCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCGGGCCAGTCAAGGCATTAGTAGTTT TTTGGCCTGGTATCAGCAACAACCAGGGAAAGCCCCCTAACTCCTGATGTATGCTGCATCCACTTTGCAAAGTGGGGTCCCATCAAGGTTCCAGC GGCAGTGGATCTGGGACAGAATCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCAGCTTATTACTGTCAACAACCTTAGTTCTTACCC CCGTACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC
003	p95w82	IGLV	CAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGGTACCATCTCTTGTCTGGAGGCAGTCCAACGTCGGAAGT CATACTGTGAACTGGTACCAGCAGCTCCCAGGAACGGCCCCAACTCCTCATCTATAATAATGATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTATTGTACAGCATGGGATGA CAGCCTGAATGGTCCGGTGCTCGGCGGAGGGACCAAGCTGACCGTCTAG
003	p95w83	IGLV	GAAATTGTGTTGACGCAGTCTCCAGGCACCCTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAGTCAAGTGTAGCAGCA CCTACTTAGCCTGGTACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGT TCAGTGGCAGTGGGTCTGGGACAGACTTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTTGCAGTGTATTACTGTCACCAGTATGGTAG CTCACTGTACACTTTTGGCCAGGGACCAAGCTGGAGATCAAAC
003	p95w93	IGLV	ACTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGTGCGGGCAGTCAAGGTATTAACAATTGGTTAGCCTGGTATCAGCAGAAACCAGGG AAAGCCCCAAGTCCCTGATCTATGCTGCATCCACTTTGCAAGGTGGGGTCCCATCAAGGTTCCAGCGGCAGTGCATCTGGGACAGATTTCACTC TCACCATCAGCAGCCTGCAGCCTGAAGATTTTGAACCTTATTACTGCCAACAGTATAATAGTTACCCTGTCACTTTGCGGCGGAGGGACCAAGGTG GAGATCAAAC
003	p95w94	IGLV	CAGTCTGTGGTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGACAGAGGGTACCATCTCTTGTCTGGAAGCAGCTCCAACATCGGAAGT AATTATGTATACTGGCACCAGCAGTCCCAGGAACGGCCCCAACTCCTCATCTATAGGAATAATCAGCGGCCCTCAGGGGTCCCTGACCGAT TCTCTGGCTCGAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGTGAAACATGGGATGA CAGCCTGCATAGTTATGTCTTCGGAGCTGGGACCAAGGTACCGTCTAC
003	p95w97	IGLV	CAGTCTGCCCTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTGCATCACCATCTCCTGCACTGGAACCAGCAGTACATTGGTAATT ATGACTATGTCTCCTGGTCCAACAGCACCCAGGCAAAGCCCCAACTCATGATTTATGATGTCATAAGCGGCCCTCAGGGGTTTCTAATCGC TTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGACTGAGGACGAGGCTGATTATTACTGCAGCTCATATACGA CCAGCAGCACTCTTTATGTCTTCGGAACCTGGGACCAAGGTACCGTCTCCTAC
003	p92w55	13 IGLV	GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTACCATCACTTGCCAGGGCAGTCAAGGACATTAGCAACT ATTTAAATTGGTATCAGCAGAAACCAGGGAAAGCCCCCTAACTCCTGATCTACGATGTATTCAATTTGGAAGCAGGGGTCCCATCAAGGTTCAAGT GGCAGTGGATCTGGGACAGATTTTACTTTACCATCAGCAGCCTGCAGCCTGAAGATATTGCAACATATTACTGTCAACAATATGATAATCTCCCC TACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC

**Table S7. Primary data for in vivo RV challenge experiments.** Number of mice with diarrhea on days 1-4 over the total number of mice in the indicated *in vivo* RV challenge experiments

Challenge virus	Treatment	Days Post Infection			
		1	2	3	4
DxRRV	mAb #27	0/7	0/7	0/7	0/7
DxRRV	Media	6/6	6/6	2/6	0/6
RRV	mAb #27	8/8	8/8	4/8	0/8
RRV	Media	7/7	7/7	3/7	0/7
RRV	mAb #57	0/6	0/6	0/6	0/6
RRV	Media	6/6	5/6	4/6	1/6
DxRRV	mAb #57	0/6	0/6	0/6	0/6
DxRRV	Media	6/7	7/7	5/7	0/7
Wa	mAb #41	2/6	1/5	0/5	0/5
Wa	Media	10/11	9/11	5/11	0/11
DS1xSB1A	mAb #41	0/6	0/6	0/6	0/6
DS1xSB1A	Media	6/6	0/6	0/6	0/6