Fig. 1

	1	2	3	4	5	6
	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
6E4HV0	QVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	SYWMHWVRQA	PGQGLEWMGE	INPRNGGTNN
HV2		K V		RQ	F M	
HV3		K V		RQ	F I	
HV4		K V		RQ	F I	
HV5		K V		RL	F I	
HV7a		K V		RL	F I	
HV7b		K V		RQ	F I	
HV9		V V		RL	F I	
HV12		V L		KL	F I	

	7	8	9	10	11	
	1234567890	1234567890	1234567890	1234567890	1234567890	12345678
6E4HV0	NENFKRRVTI	TADTSTSTAY	MELSSLRSED	TAVYYCARDG	NYDPFAYWGQ	GTLVTVSS
HV2	RV I	A T		T		
HV3	RV I	A T		T		
HV4	KV I	A T		T		
HV5	KV I	A T		T		
HV7a	KA I	A K		T		
HV7b	KA I	V K		T		
HV9	KA I	V K		T		
HV12	KA L	V K		T		

Fig. 2

	1	2	3	4	5	6
	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
6E4LV0	DIVMTQSPLS	LPVTPGEPAS	ISCRSSQSLV	HSNGNTYLHW	YLQKPGQSPQ	LLIYKVSNRF
LV2a	I	P			K	
LV2b	V	P			Q	
LV2c	I	L			Q	
LV2d	V	P			K	
LV3	I	L			K	
LV4	V	L			K	

	7	8	9	10	11	
	1234567890	1234567890	1234567890	1234567890	1234567890	123
LV0	SGVPDRFSGS	GSGTDFTLKI	SRVEAEDVGV	YYCSQSTHVP	PYTFGQGTKL	EIK
LV2a				F		
LV2b				F		
LV2c				F		
LV2d				Y		
LV3				F		
LV4				F		

Fig. 3

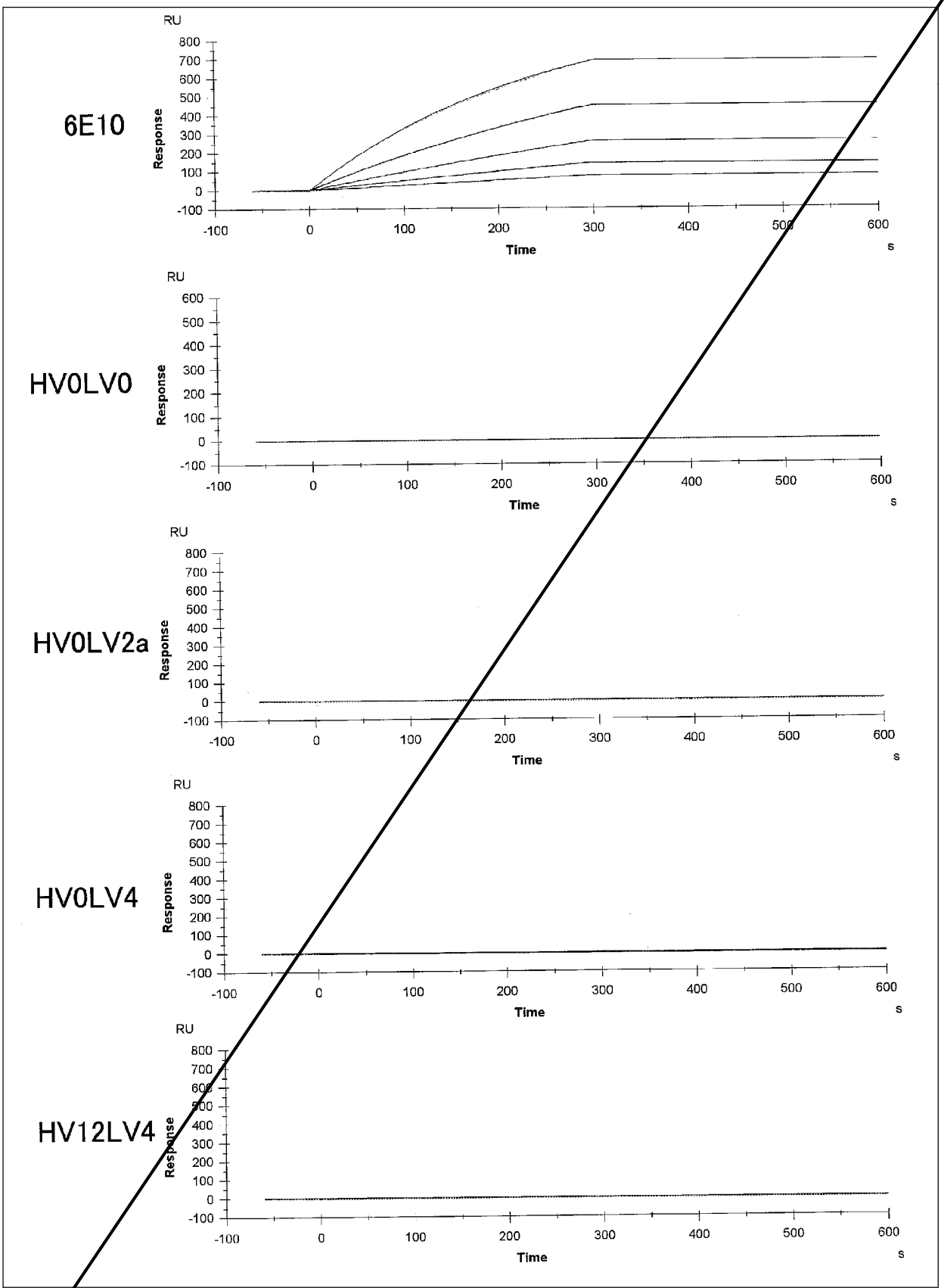

6E10
HV0LV0
HV0LV2a
HV0LV4
HV12LV4
RU
Response
Time
s
800
700
600
500
400
300
200
100
0
-100
-100
0
100
200
300
400
500
600

Fig. 1

	1	2	3	4	5	6
	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
4H5HV0	DVQLVESGGG	VVQPGRSLRL	SCAASGFTFS	SFGMHWVRQA	PGKGLQWMVY	ISSGSSTIYY
HV2		L			Q VA	
HV3		L			E VA	
HV4		L			E VA	
HV5a		L			E VA	
HV5b		L			E VA	
HV6		L			E VA	
HV7		R			E VA	

	7	8	9	10	11
	1234567890	1234567890	1234567890	1234567890	1234567890	12345
4H5HV0	ADTVKGRFTI	SRDNSRSTLF	LQMNSLRGED	TAVYYCARTG	TRAYWGQGTL	VTVSS
HV2		S		V R		
HV3		S		V R		
HV4		S		V G		
HV5a		S		M G		
HV5b		N		V G		
HV6		N		M G		
HV7		N		M G		

Fig. 2

	1	2	3	4	5	6
	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
4H5LV0	DIVMTQSPLS	LPVTPGEPAS	ISCRSSQSIV	HSNGNTYLEW	YLQKPGQSPQ	LLIYKVSNRF
LV1a		VV	P			Q
LV1b		IV	L			Q
LV1c		IV	P			K
LV3		VV	L			K
LV5		VL	L			K

	7	8	9	10	11	
	1234567890	1234567890	1234567890	1234567890	1234567890	12
4H5LV0	SGVPDRFSGS	GSGTDFTLKI	SRVEAEDVGV	YYCFQGSHVP	PTFGQGTKLE	IK
LV1a					Q	
LV1b					Q	
LV1c					Q	
LV3					Q	
LV5					G	

Fig. 3

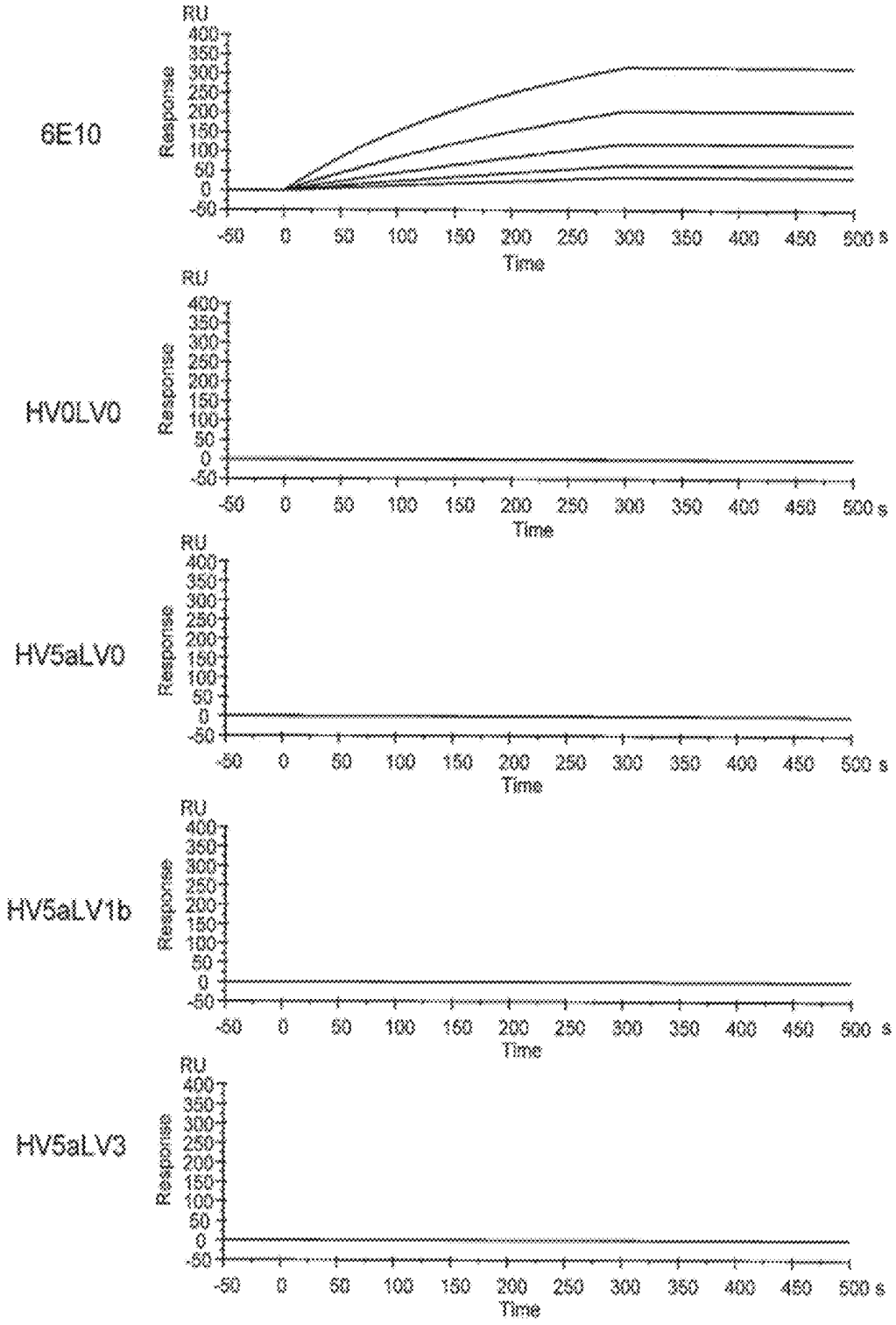
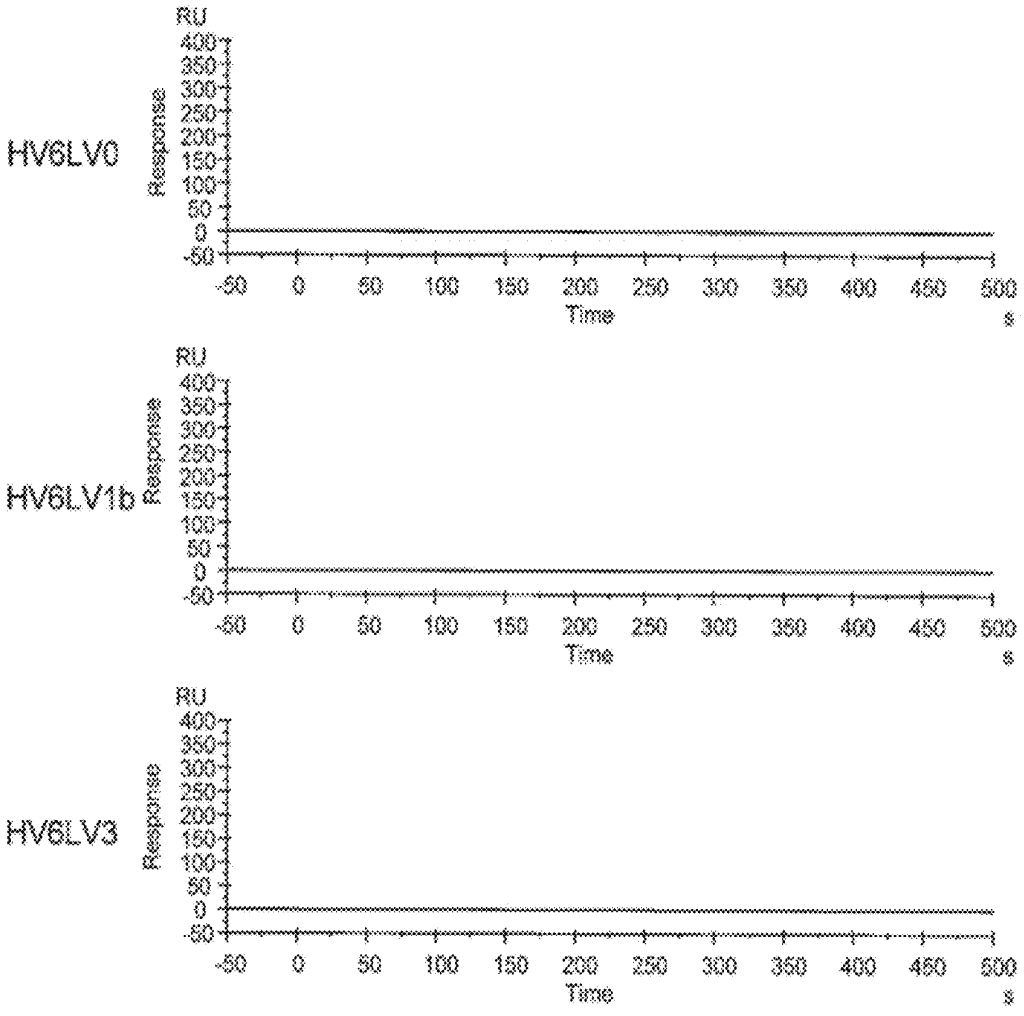


Fig. 4


HV6LV0
HV6LV1b
HV6LV3
RU
Response
400
350
300
250
200
150
100
50
0
-50
-50
0
50
100
150
200
250
300
350
400
450
500
Time
s