

FIG. 1

Antibody name	Chothia CDR H1																																						Kabat CDR H1									
	Chothia CDR H1																																						Kabat CDR H1									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	35a	35b	36	37	38	39	40						
CE115HA000	Q	V	Q	L	V	E	S	G	G	G	G	V	Q	P	G	R	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	A	W	M	H	-	-	W	V	R	Q	A						
TR01H040	Q	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	R	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	A	W	M	H	-	-	W	V	R	Q	A						
TR01H071	Q	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	R	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	A	W	M	H	-	-	W	V	R	Q	A						
TR01H082	Q	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	R	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	A	W	M	H	-	-	W	V	R	Q	A						
TR01H084	Q	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	R	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	A	W	M	H	-	-	W	V	R	Q	A						
TR01H109	Q	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	R	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	A	W	M	H	-	-	W	V	R	Q	A						
TR01H113	Q	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	R	S	L	R	L	S	C	A	A	S	G	F	T	F	S	N	A	W	M	H	-	-	W	V	R	Q	A						
H0000	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	A	S	V	K	V	S	C	K	A	S	G	Y	T	F	T	D	Y	E	M	H	-	-	W	I	R	Q	P						
H0610	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	A	S	V	K	V	S	C	K	A	S	G	Y	T	F	T	D	Y	E	M	H	-	-	W	I	R	Q	P						
GCH054	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	A	S	V	K	V	S	C	K	A	S	G	Y	T	F	T	D	Y	E	M	H	-	-	W	I	R	Q	P						
GCH065	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	A	S	V	K	V	S	C	K	A	S	G	Y	T	F	T	D	Y	E	M	H	-	-	W	I	R	Q	P						
GCH094	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	A	S	V	K	V	S	C	K	A	S	G	Y	T	F	T	D	Y	E	M	H	-	-	W	V	R	Q	A						

Antibody name	Chothia CDR H2																				Kabat CDR H2																					
	Contact CDR H2																																									
	41	42	43	44	45	46	47	48	49	50	51	52	52a	52b	52c	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
CE115HA000	P	G	K	G	L	E	W	V	A	Q	I	K	A	K	S	N	N	Y	A	T	Y	Y	A	E	S	V	K	G	R	F	T	I	S	R	D	D	S	K	N	S	L	Y
TR01H040	P	G	K	G	L	E	W	V	A	Q	I	K	D	K	S	Q	N	Y	A	T	Y	Y	A	E	S	V	K	G	R	F	T	I	S	R	A	D	S	K	N	S	I	Y
TR01H071	P	G	K	G	L	E	W	V	A	Q	I	K	D	K	S	Q	N	Y	A	T	Y	Y	A	E	S	V	K	G	R	F	T	I	S	R	A	D	S	K	N	S	I	Y
TR01H082	P	G	K	G	L	E	W	V	A	Q	I	K	D	K	S	Q	N	Y	A	T	Y	Y	A	E	S	V	K	G	R	F	T	I	S	R	A	D	S	K	N	S	I	Y
TR01H084	P	G	K	G	L	E	W	V	A	Q	I	K	D	K	S	Q	N	Y	A	T	Y	Y	A	E	S	V	K	G	R	F	T	I	S	R	A	D	S	K	N	S	I	Y
TR01H109	P	G	K	G	L	E	W	V	A	Q	I	K	D	K	S	Q	N	Y	A	T	Y	V	A	E	S	V	K	G	R	F	T	I	S	R	A	D	S	K	N	S	L	Y
TR01H113	P	G	K	G	L	E	W	V	A	Q	I	K	D	K	S	Q	N	Y	A	T	Y	V	A	E	S	V	K	G	R	F	T	I	S	R	A	D	S	K	N	S	L	Y
H0000	P	G	Q	G	L	E	W	I	G	A	I	D	P	-	-	K	T	G	D	T	A	Y	S	Q	K	F	K	G	R	V	T	L	T	A	D	K	S	T	S	T	A	Y
H0610	P	G	Q	G	L	E	W	I	G	A	I	D	P	-	-	K	T	P	D	T	A	Y	S	Q	K	F	K	G	R	V	T	L	T	A	D	K	S	T	S	T	A	Y
GCH054	P	G	E	G	L	E	W	I	G	A	I	D	G	-	-	E	T	P	D	T	A	Y	S	E	K	F	K	G	R	V	T	L	T	A	D	K	S	T	S	T	A	Y
GCH065	P	G	E	G	L	E	W	I	G	A	I	D	G	-	-	P	T	P	D	T	A	Y	S	E	K	F	K	G	R	V	T	L	T	A	D	K	S	T	S	T	A	Y
GCH094	P	G	E	G	L	E	W	M	G	A	I	D	G	-	-	E	T	P	D	T	A	Y	S	E	K	F	K	G	R	V	T	L	T	A	D	K	S	T	S	T	A	Y

FIG. 2-1

Antibody name	Kabat CDR H3																																										
	Chothia CDR H3																																										
	Contact CDR H3																																										
	80	81	82	82a	82b	82c	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	100a	100b	100c	100d	100e	100f	100g	100h	100i	100j	100k	101	102	103	104	105	106	107	
CE115HA000	L	Q	M	N	S	L	K	T	E	D	T	A	V	Y	Y	C	R	Y	V	H	Y	G	A	Y	Y	G	V	-	-	-	-	-	-	-	-	-	D	A	W	G	Q	G	T
TR01H040	L	Q	M	N	S	L	K	T	E	D	T	A	V	Y	Y	C	R	Y	V	H	Y	S	A	S	Y	G	V	-	-	-	-	-	-	-	-	-	D	A	W	G	Q	G	T
TR01H071	L	Q	M	N	S	L	K	T	E	D	T	A	V	Y	Y	C	R	Y	V	H	Y	A	A	S	Y	G	V	-	-	-	-	-	-	-	-	D	I	W	G	Q	G	T	
TR01H082	L	Q	M	N	S	L	K	T	E	D	T	A	V	Y	Y	C	R	Y	V	H	Y	A	A	G	Y	G	V	-	-	-	-	-	-	-	D	A	W	G	Q	G	T		
TR01H084	L	Q	M	N	S	L	K	T	E	D	T	A	V	Y	Y	C	R	Y	V	H	Y	A	A	A	G	Y	G	V	-	-	-	-	-	-	D	I	W	G	Q	G	T		
TR01H109	L	Q	M	N	S	L	K	T	E	D	T	A	V	Y	Y	C	R	Y	V	H	Y	A	A	A	G	Y	G	V	-	-	-	-	-	-	D	A	W	G	Q	G	T		
TR01H113	L	Q	M	N	S	L	K	T	E	D	T	A	V	Y	Y	C	R	Y	V	H	Y	A	A	A	G	Y	G	V	-	-	-	-	-	-	D	I	W	G	Q	G	T		
H0000	M	E	L	S	S	L	T	S	E	D	T	A	V	Y	Y	C	T	R	F	Y	S	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	T	Y	W	G	Q	G	T	
H0610	M	E	L	S	S	L	T	S	E	D	T	A	V	Y	Y	C	T	R	F	Y	S	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	T	Y	W	G	Q	G	T	
GCH054	M	E	L	S	S	L	T	S	E	D	T	A	V	Y	Y	C	T	R	F	Y	S	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	T	Y	W	G	Q	G	T	
GCH065	M	E	L	S	S	L	T	S	E	D	T	A	V	Y	Y	C	T	R	F	Y	S	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	T	Y	W	G	Q	G	T	
GCH094	M	E	L	S	S	L	T	S	E	D	T	A	V	Y	Y	C	T	R	F	Y	S	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	T	Y	W	G	Q	G	T	

Antibody name	108	109	110	111	112	113
CE115HA000	T	V	T	V	S	S
TR01H040	T	V	T	V	S	S
TR01H071	T	V	T	V	S	S
TR01H082	T	V	T	V	S	S
TR01H084	T	V	T	V	S	S
TR01H109	T	V	T	V	S	S
TR01H113	T	V	T	V	S	S
H0000	L	V	T	V	S	S
H0610	L	V	T	V	S	S
GCH054	L	V	T	V	S	S
GCH065	L	V	T	V	S	S
GCH094	L	V	T	V	S	S

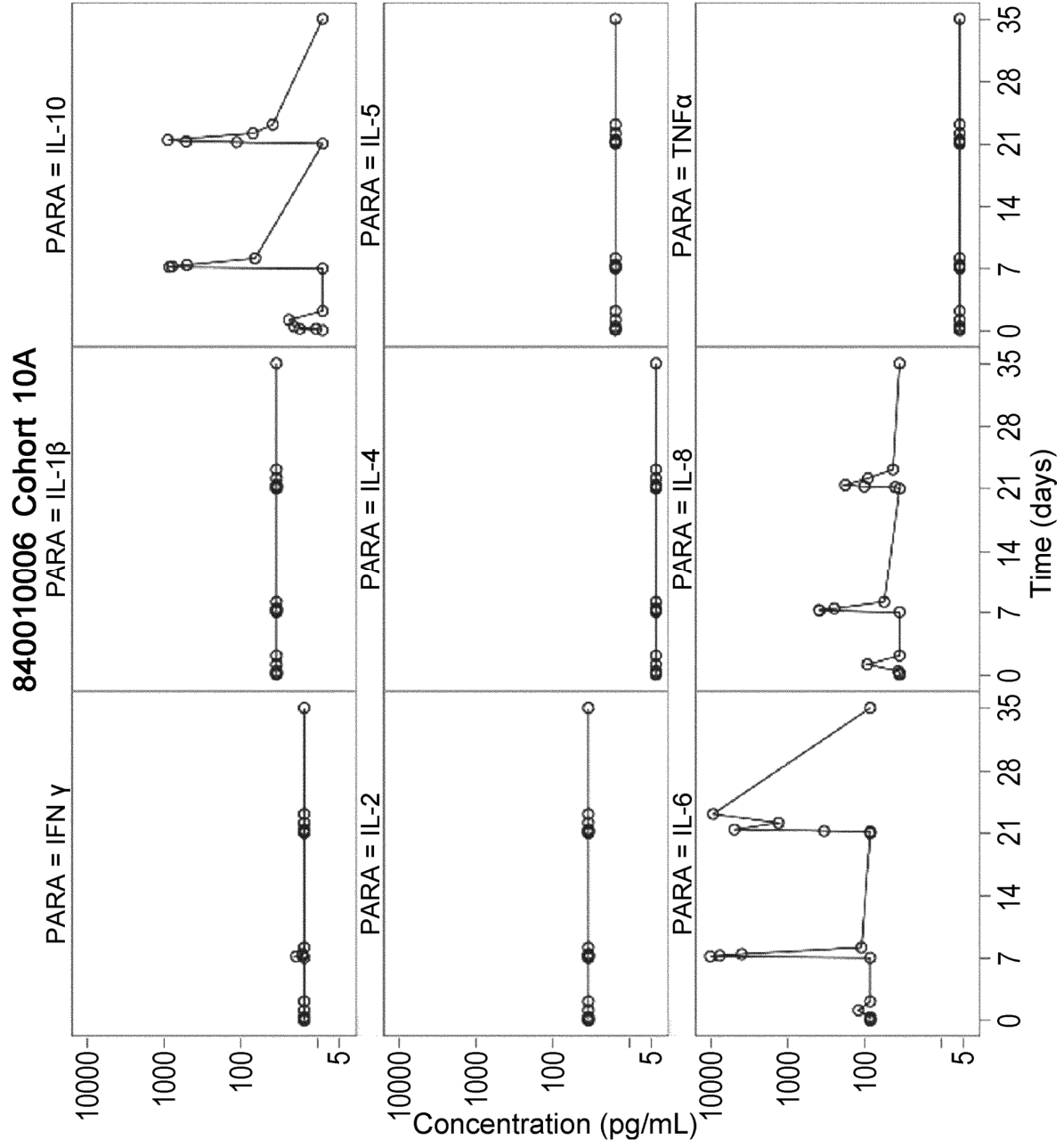
FIG. 2-2

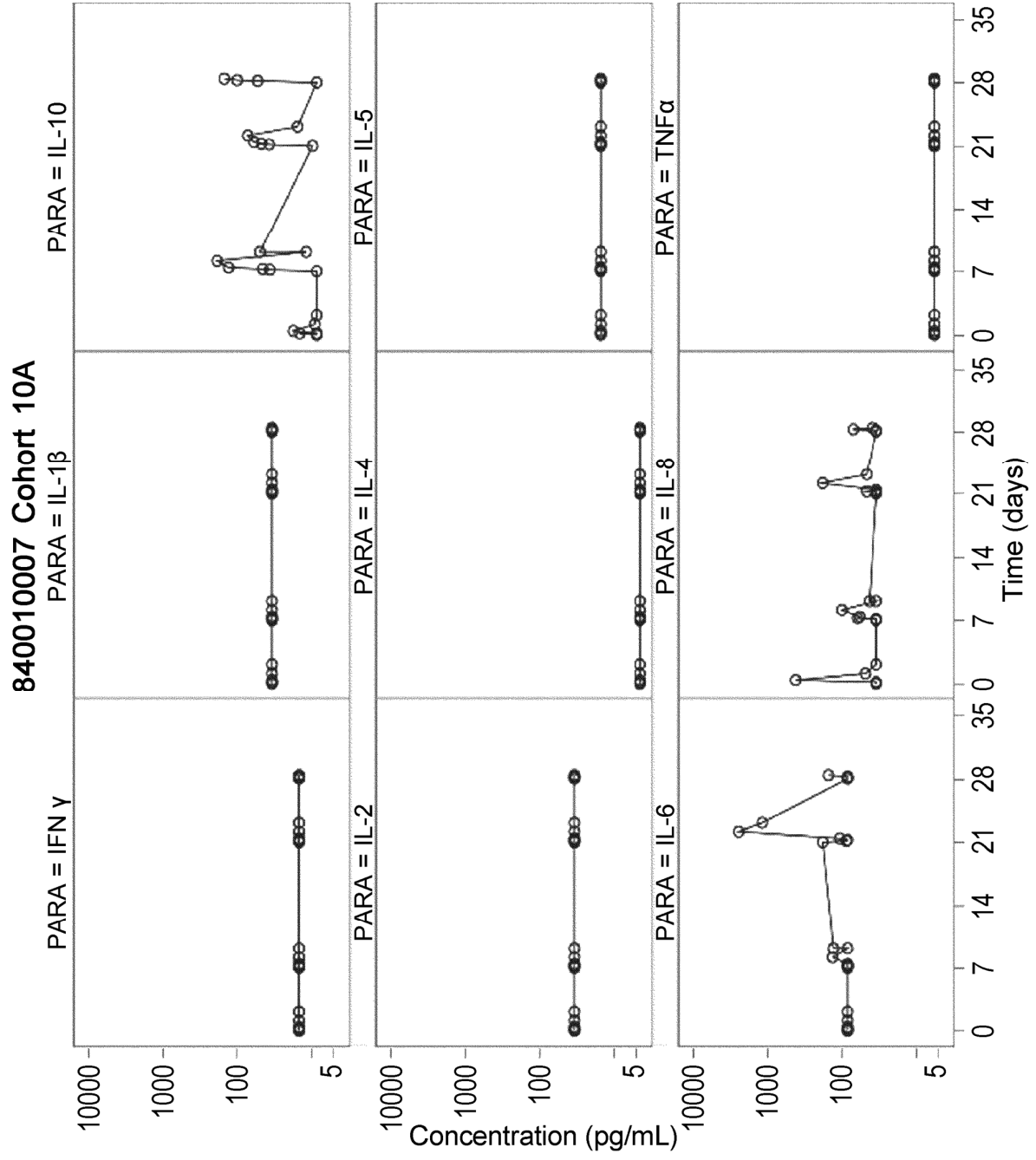
Kabat CDR L1																																											
Chothia CDR L1																																											
Antibody name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	27a	27b	27c	27d	27e	27f	28	29	30	31	32	33	34	35	36	
L0000	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	S	Q	S	L	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0011	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	P	L	V	H	S	-	N	R	N	T	Y	L	H	W	Y	
L0201	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y	
L0203	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y	
L0204	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0206	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0208	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0209	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0211	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0212	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0222	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0272	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	L	V	H	S	-	N	R	N	T	Y	L	H	W	Y

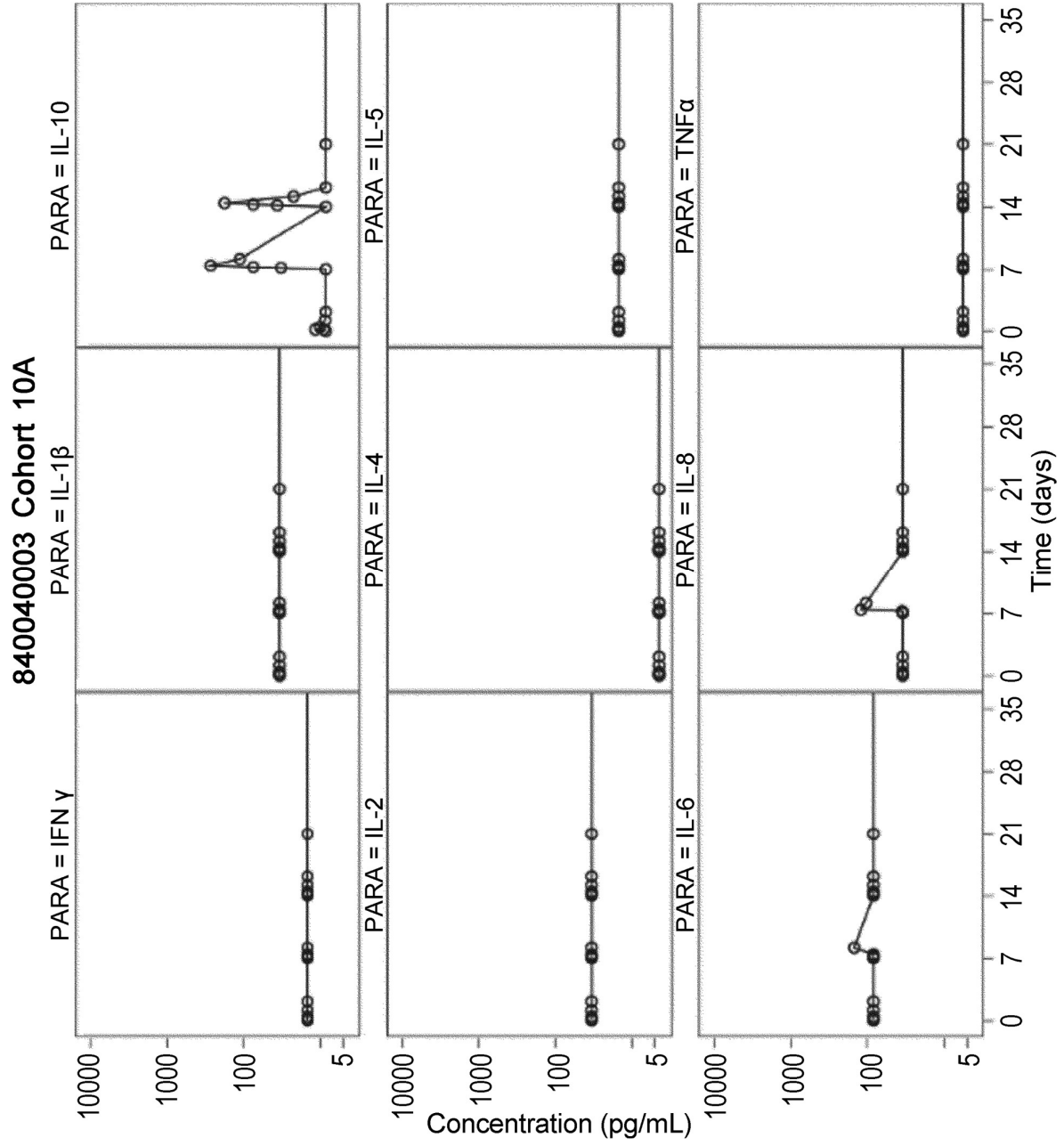
Antibody name	Contact CDR L2										Kabat CDR L2										Chothia CDR L2																					
	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78
L0000	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0011	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0201	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0203	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0204	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0206	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0208	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0209	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0211	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0212	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0222	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0272	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V

Antibody name	Kabat CDR L3										Chothia CDR L3										Contact CDR L3														
	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	95a	95b	95c	95d	95e	95f	96	97	98	99	100	101	102	103	104	105	106	107
	E	A	E	D	V	G	V	Y	Y	C	G	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0000	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0011	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0201	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0203	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0204	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0206	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0208	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0209	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0211	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0212	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0222	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K
L0272	E	A	E	D	V	G	V	Y	Y	C	G	Q <td>G</td> <td>T</td> <td>Q</td> <td>V</td> <td>P</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Y</td> <td>T</td> <td>F</td> <td>G</td> <td>Q<td>G</td><td>T</td><td>K<td>L<td>E<td>I<td>K</td></td></td></td></td></td>	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q <td>G</td> <td>T</td> <td>K<td>L<td>E<td>I<td>K</td></td></td></td></td>	G	T	K <td>L<td>E<td>I<td>K</td></td></td></td>	L <td>E<td>I<td>K</td></td></td>	E <td>I<td>K</td></td>	I <td>K</td>	K

FIG. 3

**FIG. 4A**

**FIG. 4B**

**FIG. 4C**

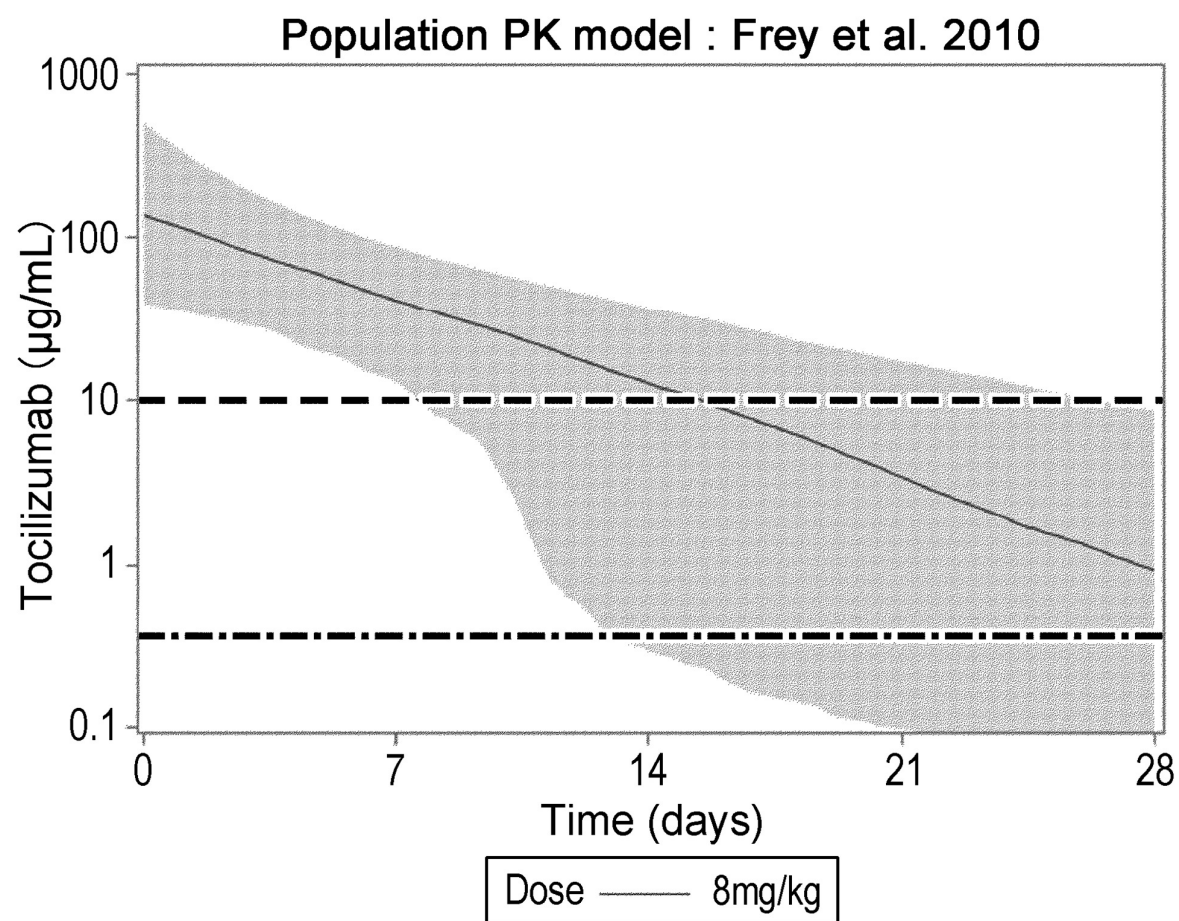


FIG. 5A

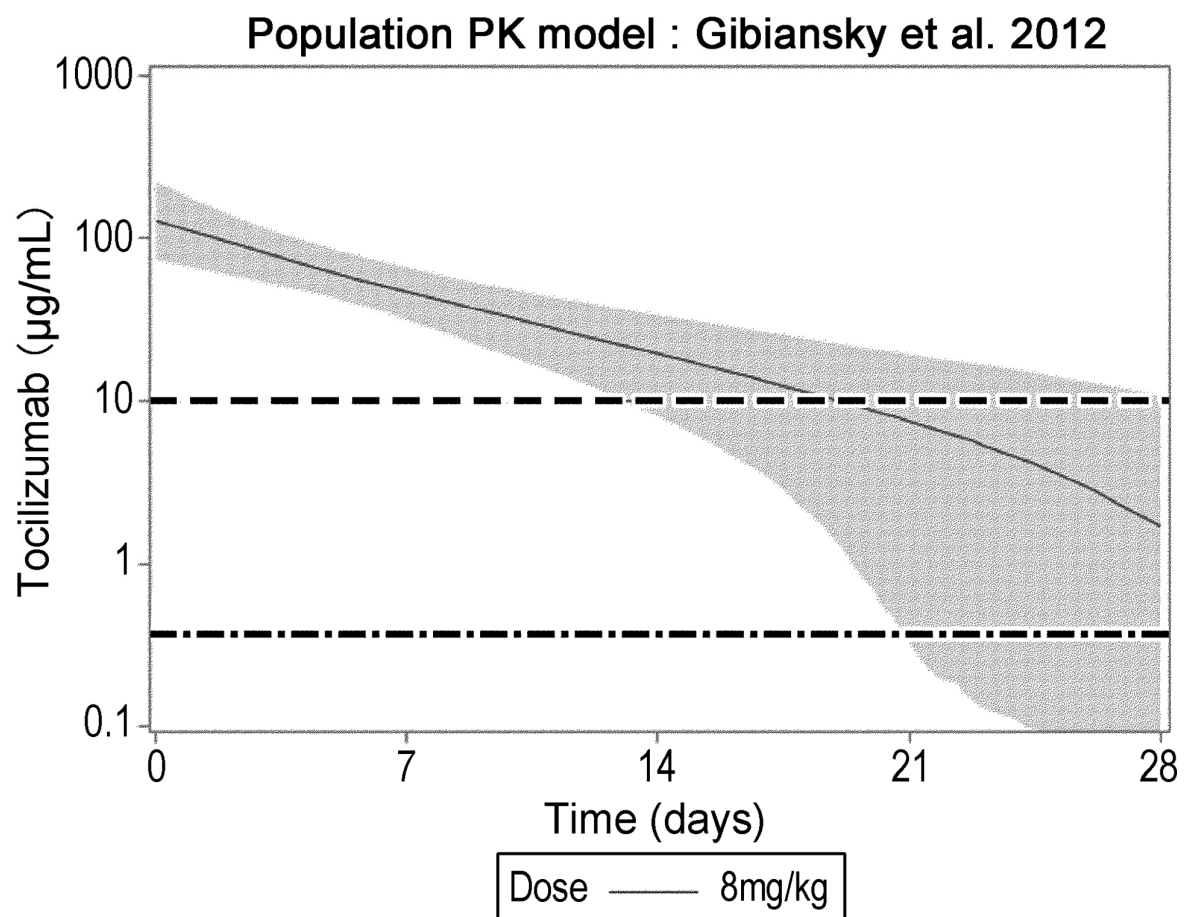


FIG. 5B

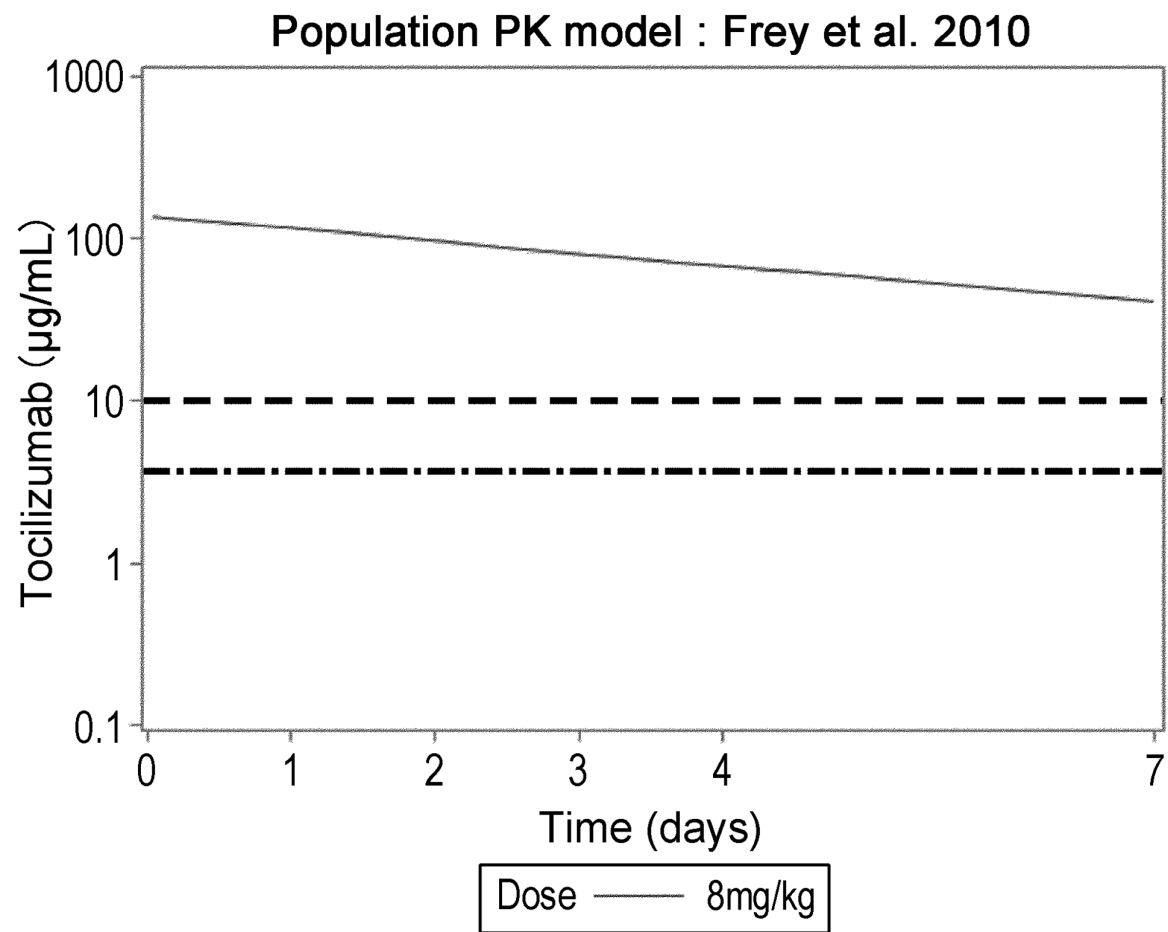


FIG. 6A

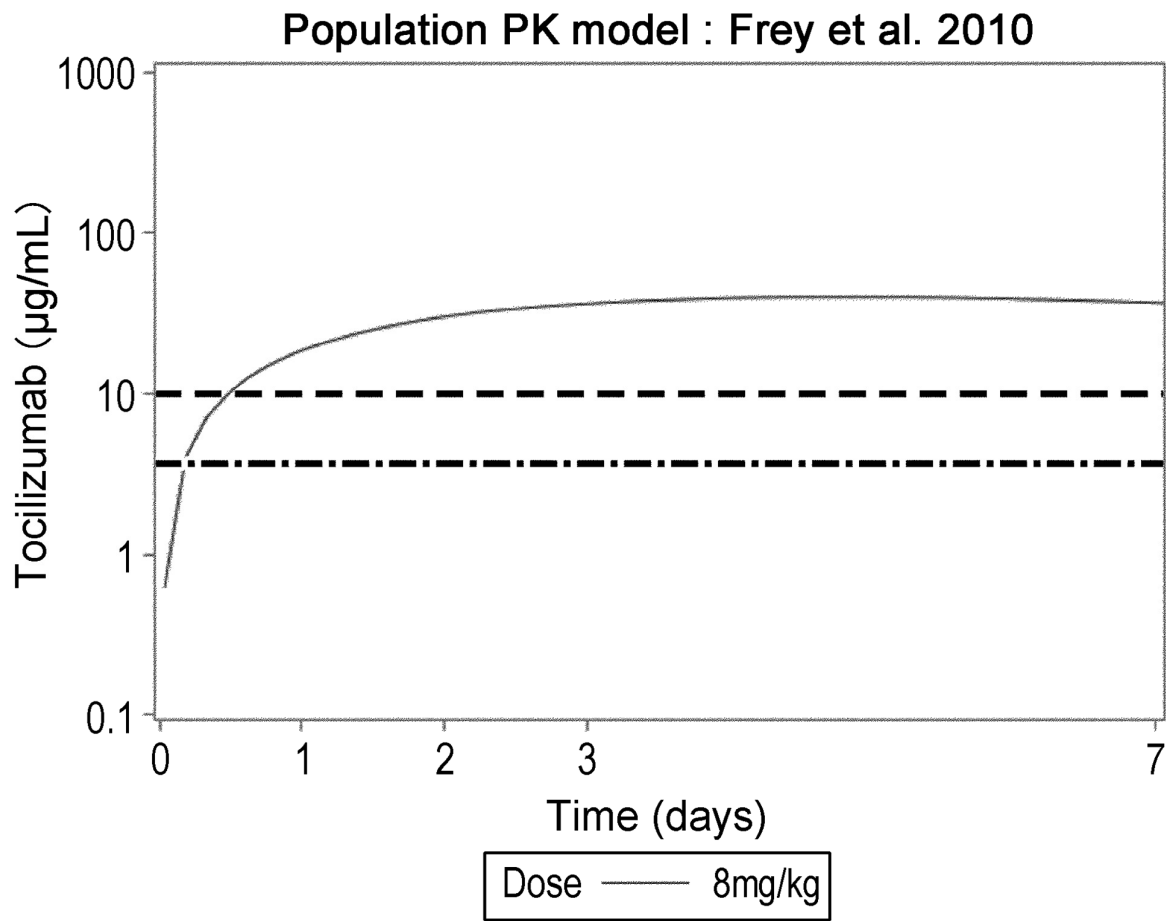
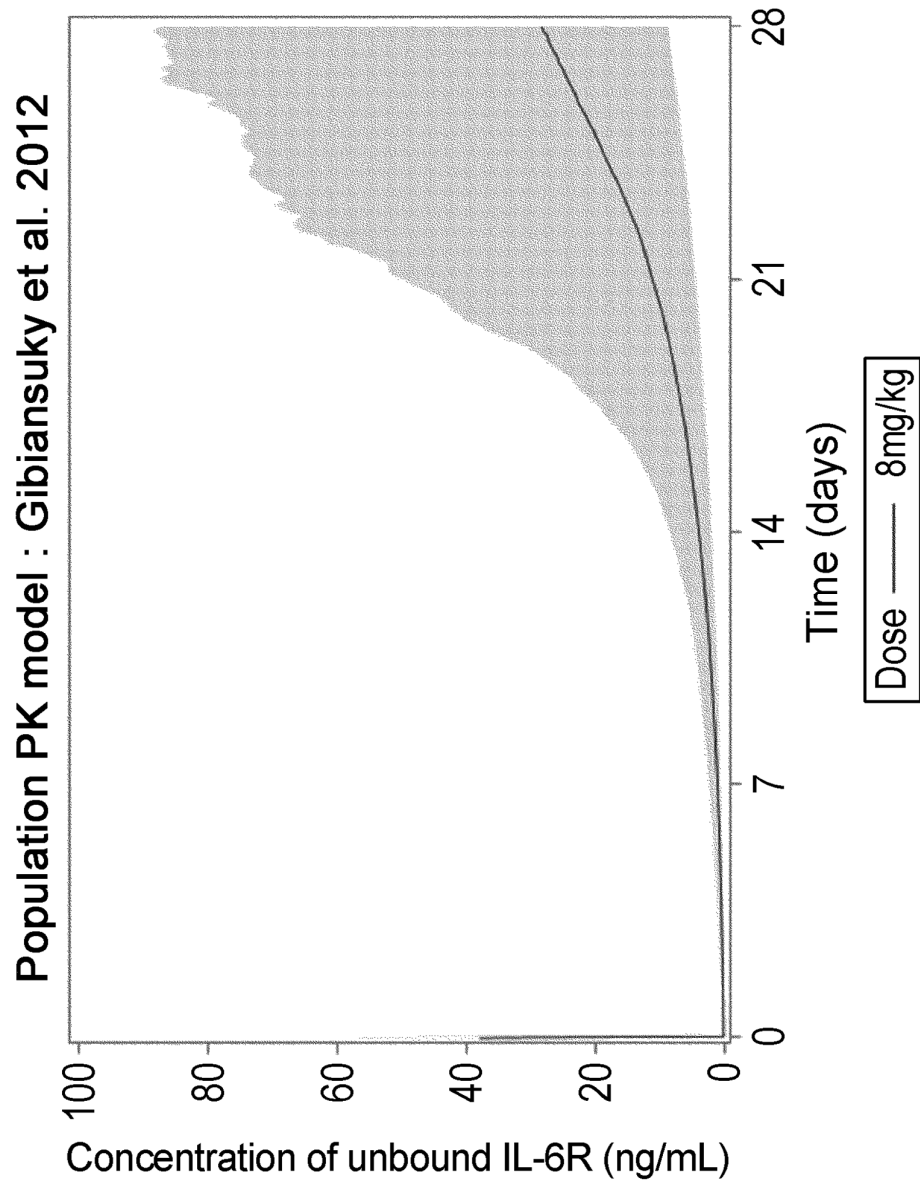


FIG. 6B



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FIG. 7

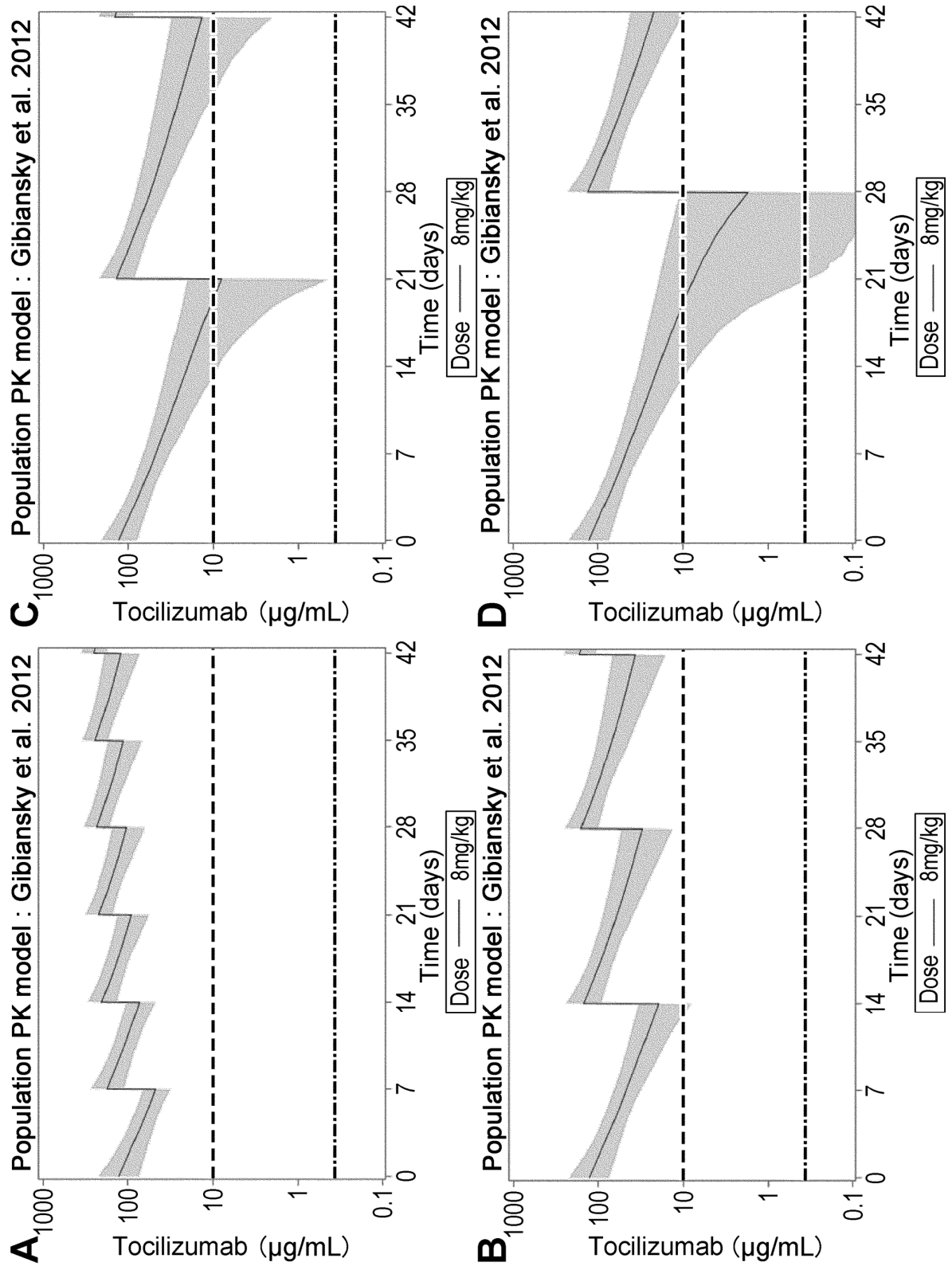


FIG. 8

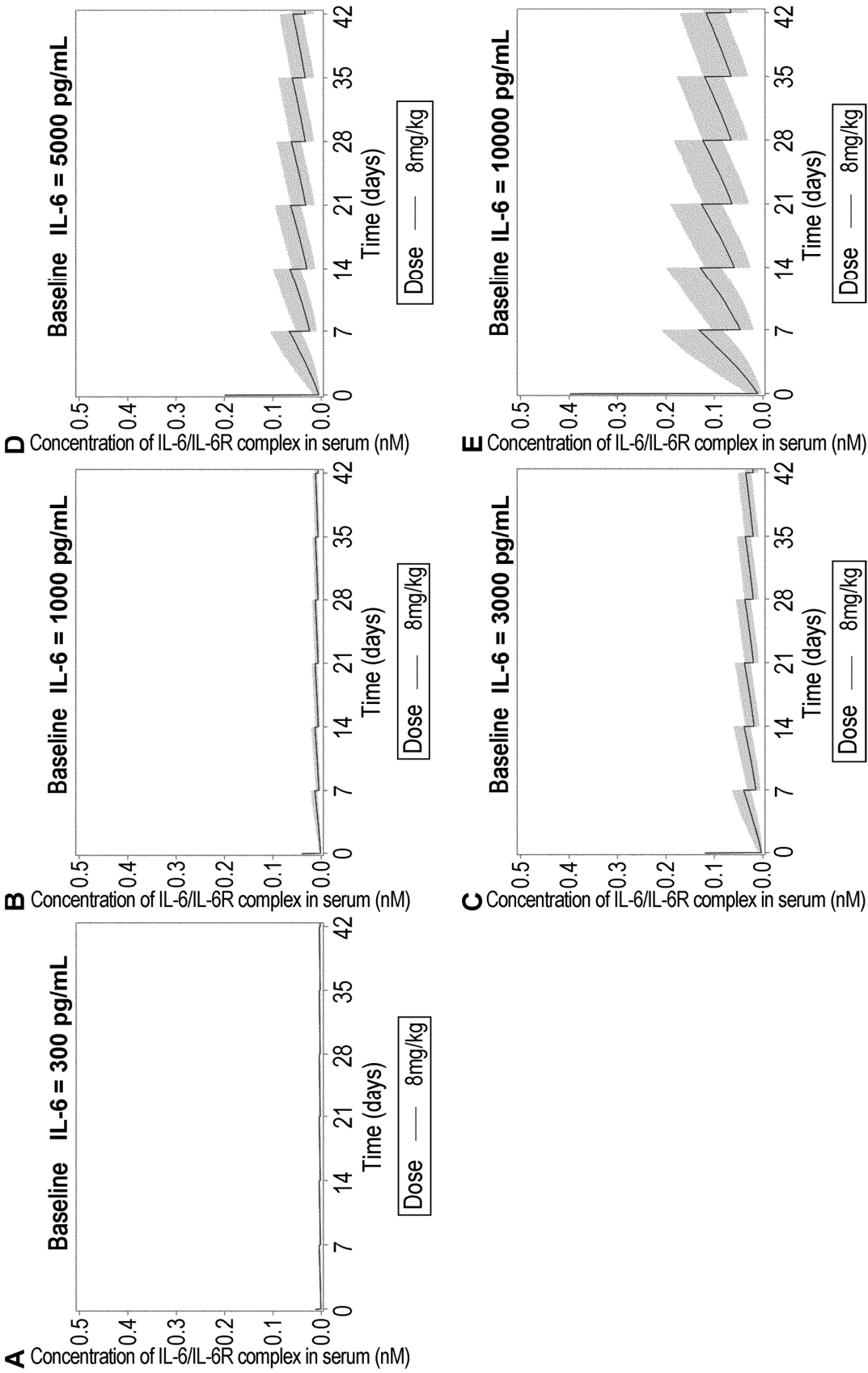


FIG. 9

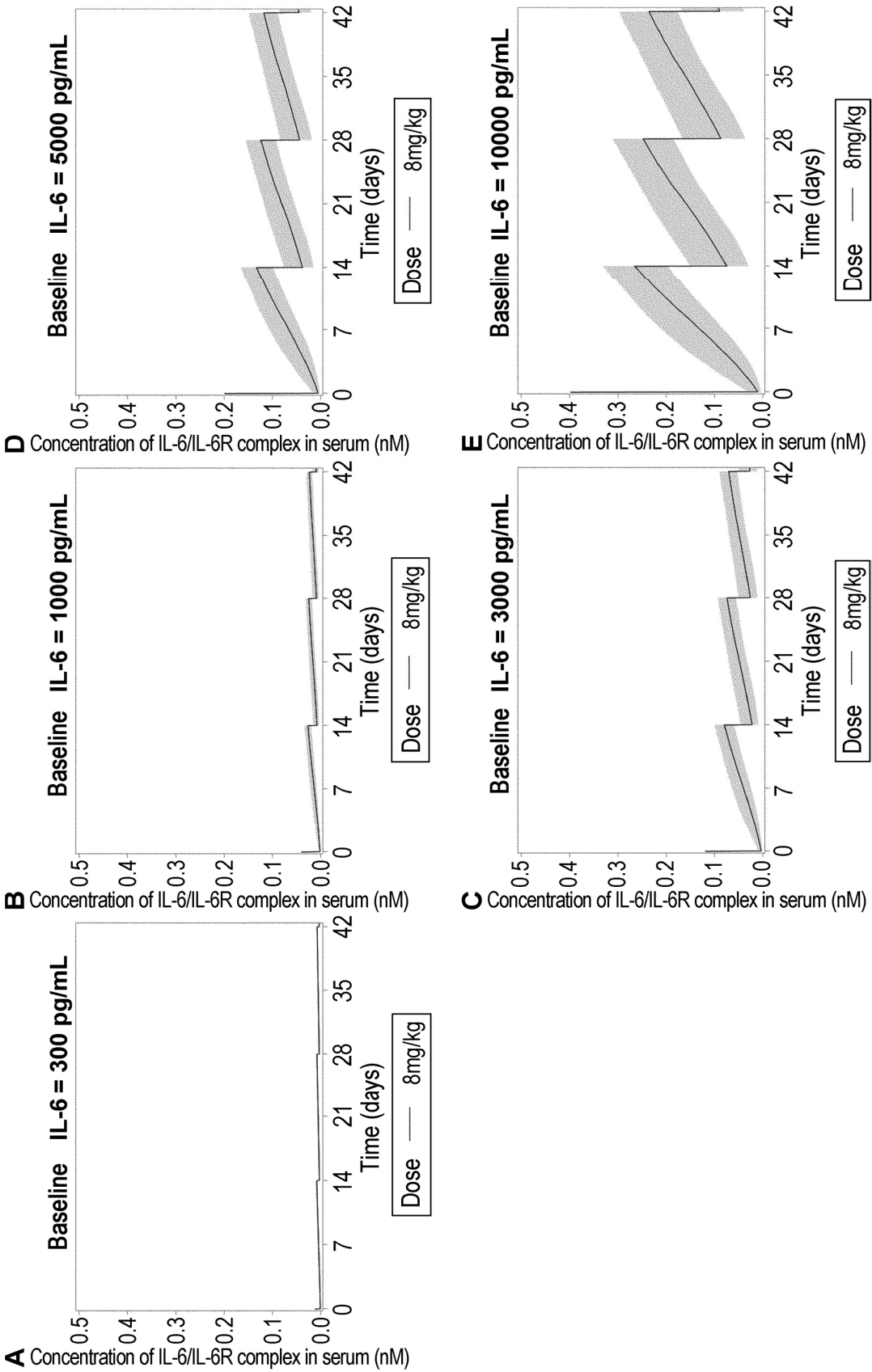


FIG. 10

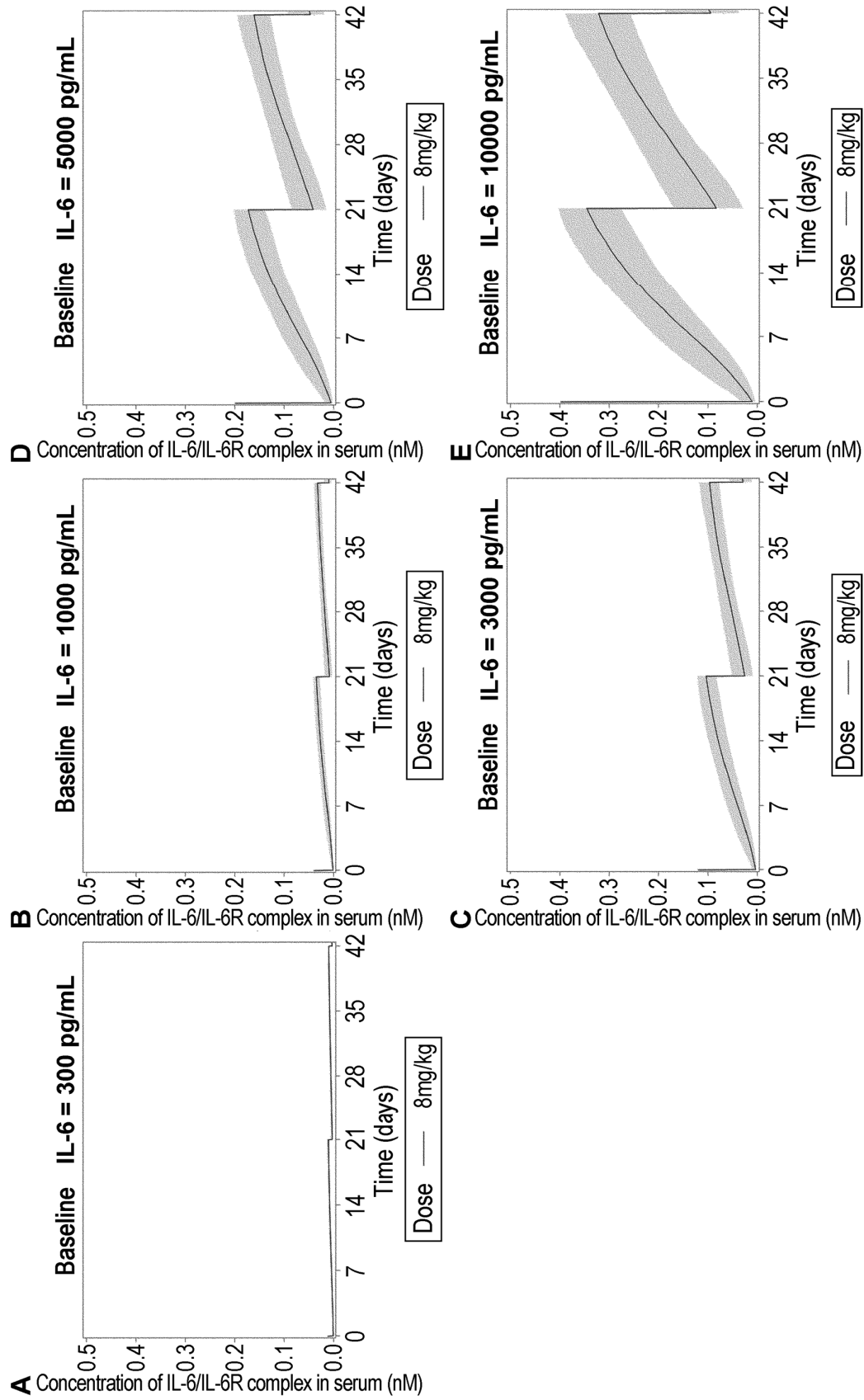


FIG. 11

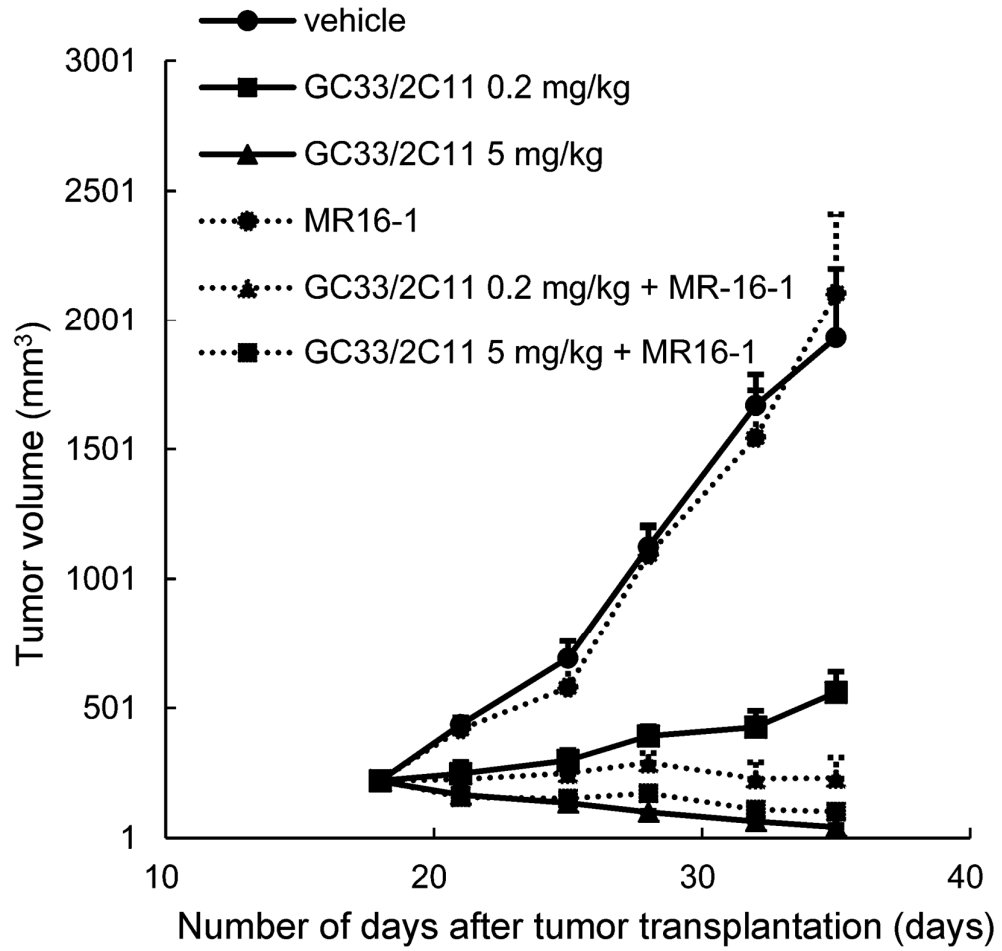


FIG. 12

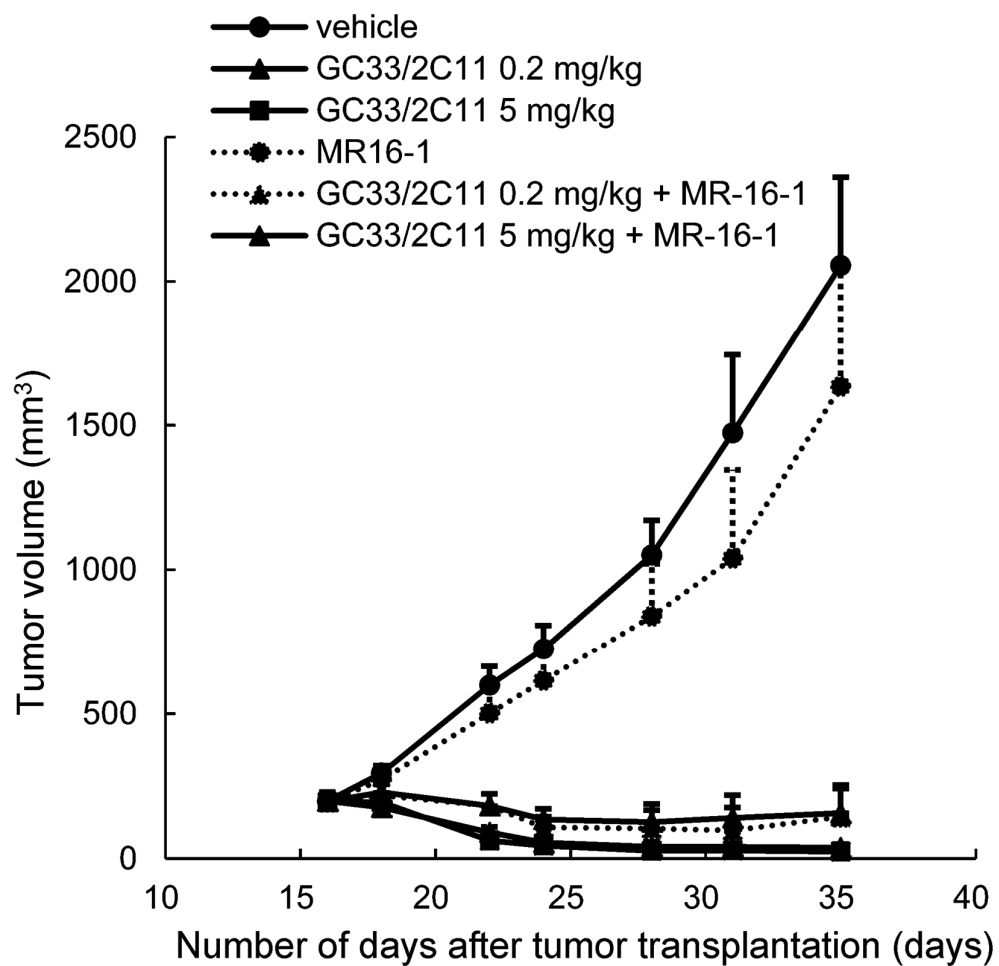


FIG. 13