

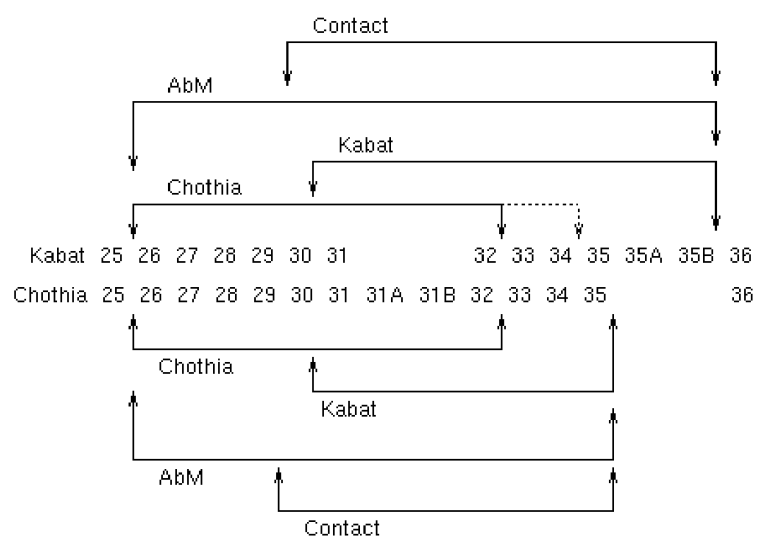


FIG.1

Column #	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	36	37
SRP1848-A01	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	T	R	Y	--	S	I	H	
SRP1848-A02	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	G	F	--	R	I	H	
SRP1848-A04	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	D	Q	S	--	S	I	H	
SRP1848-A06	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	G	N	S	--	Y	I	H	
SRP1848-A07	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	G	Y	H	--	S	I	H	
SRP1848-A08	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	S	N	I	R	K	H	--	S	I	H	
SRP1848-A09	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	K	Q	--	S	I	H	
SRP1848-A10	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	K	Y	--	S	I	H	
SRP1848-B01	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	N	Y	--	S	I	H	
SRP1848-B03	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	M	K	--	Y	I	H	
SRP1848-B04	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	S	F	N	I	S	N	H	--	S	I	H	
SRP1848-B05	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	Y	--	Y	I	H	
SRP1848-B06	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	Y	--	Y	I	H	
SRP1848-B07	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	R	F	--	Y	I	H	
SRP1848-B09	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	T	N	Y	--	Y	I	H	
SRP1848-B10	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	T	T	T	K	--	S	I	H	
SRP1848-B11	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	G	N	N	--	S	I	H	
SRP1848-C01	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	G	N	S	--	Y	I	H	
SRP1848-C03	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	G	V	Y	--	S	I	H	
SRP1848-C04	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	H	Y	--	S	I	H	
SRP1848-C05	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	K	Y	--	S	I	H	
SRP1848-C07	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	K	Y	--	S	I	H	
SRP1848-C10	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	T	Y	--	Y	I	H	
SRP1848-D02	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	H	N	--	Y	I	H	
SRP1848-D03	E	V	Q	L	V	E	S	G	G	G	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	Y	F	--	S	I	H		
SRP1848-D04	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	H	Y	--	S	I	H	
SRP1848-D05	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	I	S	--	Y	I	H	
SRP1848-D07	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	K	Y	--	Y	I	H	
SRP1848-D09	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	Y	--	Y	I	H	
SRP1848-D10	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	R	N	--	S	I	H	
SRP1848-E01	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	T	N	K	--	Y	I	H	
SRP1848-E02	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	G	K	Y	--	S	I	H	
SRP1848-E03	E	V	Q	L	V	E	S	G	G	G	L	A	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	G	N	Y	--	Y	I	H	

FIG. 2

Column #	3839404142434445464748495051525354555657585960616263646566
SRP1848-A01	WVRQAPGKGGLEWVAGILPES-GGTSYADS
SRP1848-A02	WVRQAPGKGGLEWVAGIYPES-GATYYADS
SRP1848-A04	WVRQAPGKGGLEWVGVIYPVD-GTTDYADS
SRP1848-A06	WVRQAPGKGGLEWVGGITPID-GNTDYADS
SRP1848-A07	WVRQAPGKGGLEWVGGEIFPVD-GTTDYADS
SRP1848-A08	WVRQAPGKGGLEWVGSIYPND-GTTDYADS
SRP1848-A09	WVRQAPGKGGLEWVGSIIFPND-GTTDYADS
SRP1848-A10	WARQAPGKGGLEWVGDIIFPID-DITDYADS
SRP1848-B01	WVRQAPGKGGLEWVGGEIYPVD-GITDYADS
SRP1848-B03	WVRQAPGKGGLEWVGGITPID-GMTDYADS
SRP1848-B04	WVRQAPGKGGLEWVGGEIYPVD-GITDYADS
SRP1848-B05	WVRQAPGKGGLEWVGGISPID-GYTDYADS
SRP1848-B06	WVRQAPGKGGLEWVGGITPID-GYTDYADS
SRP1848-B07	WVRQAPGKGGLEWVGGISPYD-GFTDYADS
SRP1848-B09	WVRQAPGKGGLEWVGGITPVD-GYTDYADR
SRP1848-B10	WVRQAPGKGGLEWVGGEIYPRD-GITDYADS
SRP1848-B11	WVRQAPGKGGLEWVGDISPID-GFTDYADS
SRP1848-C01	WVRQAPGKGGLEWVGGVTPND-GYTDYADS
SRP1848-C03	WVRQAPGKGGLEWVGGEIYPID-GNTDYADS
SRP1848-C04	WVRQAPGKGGLEWVGGEIYPGP-GNTDYADS
SRP1848-C05	WVRQAPGKGGLEWVGDIIFPID-GINDYADS
SRP1848-C07	WVRQAPGKGGLEWVGDIIFPID-GITDYADS
SRP1848-C10	WVRQAPGKGGLEWVGGISPID-GYTDYADS
SRP1848-D02	WVRQAPGKGGLEWVGGITPQD-GYTDYADS
SRP1848-D03	WVRQAPGKGGLEWVGDIIFPND-GSTDYADS
SRP1848-D04	WVRQAPGKGGLEWVGGEIYPRD-GITDYADS
SRP1848-D05	WVRQAPGKGGLEWVGGISPID-GYTDYADS
SRP1848-D07	WVRQAPGKGGLEWVGGISPND-GYTDYADS
SRP1848-D09	WVRQAPGKGGLEWVGGISPND-GYTDYADS
SRP1848-D10	WVRQAPGKGGLEWVGWISPND-GTTDYADS
SRP1848-E01	WVRQAPGKGGLEWVGGITPFD-GFTDYADS
SRP1848-E02	WVRQAPGKGGLEWVGGEIYPND-GNTDYADS
SRP1848-E03	WVRQAPGKGGLEWVGGITPRD-GFTDYADS

FIG. 2 (Cont.)

Column #	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
SRP1848-A01	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A02	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A04	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A06	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A07	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	H	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A08	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A09	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	V	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A10	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-A10	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B01	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B03	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B04	M	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	S	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B05	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B07	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B09	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B10	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-B11	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-C01	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	T	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-C03	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-C04	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-C05	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-C07	M	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-C10	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-D02	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	R	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-D03	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	E	T	A	V	Y	Y	C	A
SRP1848-D04	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	S	A	E	D	T	A	V	Y	Y	C	A
SRP1848-D05	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-D07	V	K	G	R	F	A	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-D09	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-D10	V	K	G	R	F	T	I	S	A	D	G	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-E01	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-E02	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-E03	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	V	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A

FIG. 2 (Cont.)

Column #	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
SRP1848-A01	R	H	I	Y	P	W	D	W	F	-	S	N	Y	V	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-A02	R	H	L	Y	V	W	D	W	V	-	L	D	H	V	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-A04	R	G	A	W	S	W	R	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-A06	R	G	A	W	S	W	R	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-A07	R	G	F	W	A	W	R	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-A08	R	G	S	W	F	W	R	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-A09	R	G	S	W	F	W	R	S	G	-	Y	G	Y	F	L	E	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-A10	R	G	S	W	S	W	P	S	G	-	H	S	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B01	R	G	F	W	S	W	P	S	G	-	Y	S	Y	F	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-B03	R	G	S	W	S	W	P	S	G	-	Y	S	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B04	R	G	R	Y	S	W	R	A	G	-	Y	S	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B05	R	G	S	W	F	W	Q	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B06	R	G	F	W	S	W	P	S	G	-	Y	G	Y	Q	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B07	R	G	S	W	S	W	P	A	G	-	Y	G	Y	Q	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B09	R	G	A	W	S	W	R	S	G	-	Y	G	Y	M	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B10	R	G	G	W	H	W	R	S	G	-	Y	S	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-B11	R	G	S	W	S	W	R	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-C01	R	G	S	W	F	W	R	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	A	L	V	T	V	S	S	
SRP1848-C03	R	G	S	W	A	W	R	S	G	-	Y	S	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-C04	R	G	S	L	S	W	R	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-C05	R	G	S	W	S	W	K	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-C07	R	G	S	W	S	W	P	A	G	-	Y	G	Y	Q	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-C10	R	G	S	W	S	W	P	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-D02	R	G	A	W	S	W	R	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-D03	R	G	H	W	S	W	P	S	G	-	Y	W	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-D04	R	G	Y	W	F	W	R	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-D05	R	G	S	W	S	W	R	A	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-D07	R	G	F	W	A	W	R	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-D09	R	G	S	W	S	W	R	H	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-D10	R	G	A	W	S	W	R	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-E01	R	G	S	W	S	W	P	A	G	-	Y	G	Y	Q	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-E02	R	G	S	W	S	W	R	S	G	-	Y	G	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-E03	R	G	S	W	S	W	P	A	G	-	H	S	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	

FIG. 2 (Cont.)

Column #	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	36	37
SRP1848-E05	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	V	S	C	A	A	S	G	F	N	I	G	V	Y	-	-	Y	I	H
SRP1848-E06	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	S	G	S	L	R	L	S	C	A	A	S	G	F	N	I	N	R	Y	-	-	Y	I	H
SRP1848-E07	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	K	S	-	-	S	I	H
SRP1848-F01	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	T	Y	-	-	S	I	H
SRP1848-F02	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	T	Y	-	-	S	I	H
SRP1848-F04	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	Y	-	-	S	I	H
SRP1848-F05	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	K	S	-	-	S	I	H
SRP1848-F06	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	L	S	-	-	Y	I	H
SRP1848-F07	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	H	-	-	S	I	H
SRP1848-F08	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	H	-	-	S	I	H
SRP1848-F09	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	H	-	-	Y	I	H
SRP1848-F10	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	N	-	-	S	I	H
SRP1848-F11	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	N	N	-	-	Y	I	H
SRP1848-G01	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	R	H	-	-	S	I	H
SRP1848-G03	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	T	Y	-	-	Y	I	H
SRP1848-H01	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	T	Q	-	-	S	I	H
SRP1848-G04	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	H	S	T	-	-	D	I	H
SRP1848-G06	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	S	T	-	-	D	I	H
SRP1848-G07	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	H	S	T	-	-	D	I	H
SRP1848-G09	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	R	G	T	-	-	D	I	H
SRP1848-G10	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	S	S	L	R	L	S	C	A	A	S	G	F	N	I	R	S	T	-	-	D	I	H
SRP1848-G11	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C	A	A	S	G	F	N	I	S	S	T	-	-	D	I	H

FIG. 3

Column #	3839404142434445464748495051525354555657585960616263646566	
SRP1848-E05	WVRQAPGKGLEWVGGI	TPND-GYTDYADS
SRP1848-E06	WVRQAPGKGLEWVGGI	TPND-GYTDYADS
SRP1848-E07	WVRQAPGKGLEWVGGEI	FPYD-GSTDYADN
SRP1848-F01	WVRQAPGKGLEWVGSI	FPND-GTTDYADS
SRP1848-F02	WVRQAPGKGLEWVGSI	FPND-GTTDYADS
SRP1848-F04	WVRQAPGKGLEWVGGEI	YPID-GITDYADS
SRP1848-F05	WVRQAPGKGLEWVGGEI	YPND-GSTDYADS
SRP1848-F06	WVRQAPGKGLEWVGGI	SPID-GNTDYADS
SRP1848-F07	WVRQAPGKGLEWVGGEI	YPND-GITDYADS
SRP1848-F08	WVRQAPGKGVEWVGGEI	YPVD-GITDYADS
SRP1848-F09	WVRQAPGKGLEWVGGI	SPLD-GYTDYADS
SRP1848-F10	WVRQAPGKGLEWVGSI	FPND-GYTDYADS
SRP1848-F11	WVRQAPGKGLEWVGGI	TPID-GNTDYADS
SRP1848-G01	WVRQAPGKGLEWVGWI	APND-GSTDYADS
SRP1848-G03	WVRQAPGKGLEWVGGI	TPSD-GFTDYADS
SRP1848-H01	WVRQAPGKGLEWIGDI	FPID-GITDYADS
SRP1848-G04	WVRQAPGKGLEWVAYI	TPAG-GATFYADS
SRP1848-G06	WVRQAPGKGLEWVAYI	TPAG-GATYYADN
SRP1848-G07	WVRQAPGKGLEWVAYI	TPAG-GATWYADS
SRP1848-G09	WVRQAPGKGLEWVAYI	TPAG-GATFYADS
SRP1848-G10	WVRQAPGKGLEWVAYI	TPAG-GATYYADS
SRP1848-G11	WVRQAPGKGLEWVAYI	TPAG-GATWYADS

FIG. FIG. 3 (Cont.)

Column #	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
SRP1848-E05	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-E06	V	E	G	R	F	T	T	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-E07	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F01	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F02	V	K	G	R	L	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F04	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F05	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F06	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F07	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	S	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F08	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	R	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F09	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F10	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-F11	V	K	G	R	F	T	I	S	A	D	T	S	M	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G01	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G03	V	K	G	R	S	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-H01	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G04	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G06	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G07	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G09	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G10	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A
SRP1848-G11	V	K	G	R	F	T	I	S	A	D	T	S	K	N	T	A	Y	L	Q	M	N	S	L	R	A	E	D	T	A	V	Y	Y	C	A

FIG. 3 (Cont.)

Column #	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	
SRP1848-E05	R	G	F	W	A	W	R	S	G	-	Y	G	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-E06	R	G	T	W	S	W	P	S	G	-	H	S	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-E07	R	G	A	W	S	W	R	S	G	-	Y	G	Y	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F01	R	G	S	W	A	W	R	A	G	-	Y	S	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F02	R	G	S	W	S	W	Q	A	G	-	Y	G	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F04	R	G	S	W	F	W	R	S	G	-	Y	G	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F05	R	G	S	W	A	W	R	S	G	-	Y	S	Y	F	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F06	R	G	F	W	A	W	R	S	G	-	Y	G	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F07	R	G	S	W	D	W	R	S	G	-	Y	S	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F08	R	G	S	W	Y	W	Q	S	G	-	Y	S	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F09	R	G	A	W	S	W	R	S	G	-	Y	G	Y	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F10	R	G	S	W	F	W	R	S	G	-	Y	G	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-F11	R	G	S	W	Y	W	R	A	G	-	Y	G	Y	Y	L	D	Y	W	G	Q	G	A	L	V	T	V	S	S	
SRP1848-G01	R	G	S	W	A	W	R	S	G	-	Y	S	Y	F	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-G03	R	G	S	W	S	W	P	S	G	-	H	G	Y	F	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-H01	R	G	S	W	S	W	P	S	G	-	M	D	Y	Y	L	D	Y	W	G	Q	G	T	L	V	T	V	S	S	
SRP1848-G04	R	Y	P	Y	W	F	A	G	-	-	-	-	-	-	Y	M	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-G06	R	Q	P	Y	W	F	A	G	-	-	-	-	-	-	Y	M	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-G07	R	Y	P	F	W	F	A	G	-	-	-	-	-	-	Y	M	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-G09	R	H	E	Y	W	F	S	G	-	-	-	-	-	-	Y	M	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-G10	R	Y	P	Y	W	F	A	G	-	-	-	-	-	-	Y	I	D	Y	W	G	Q	G	T	L	V	T	V	S	S
SRP1848-G11	R	Y	P	Y	W	F	S	G	-	-	-	-	-	-	Y	M	D	Y	W	G	Q	G	T	L	V	T	V	S	S

FIG. 3 (Cont.)

SRP2060-E10	EVQLLES	GGGLVQ	PGGSLRL	SCAFSGFSLS	TFGM	GVGWVRQ	APGKGLEWVSH	WDD--DKYYHPA
SRP2060-E05	EVQLLES	GGGLVQ	PGGSLRL	SCAFSGFSLS	TFGM	GVGWVRQ	APGKGLEWVSH	WDD--DKYYHPA
SRP2060-B01	EVQLLES	GGGLVQ	PGGSLRL	SCALSGFSLS	TFGM	GVGWVRQ	ATGKGLEWVSH	WDD--DKYYHPA
SRP2060-A06	EVQLLES	GGGLVQ	PGGSLRL	SCAFSGFSLS	TFGM	GVGWVRQ	APGKGLEWVGH	WDD--DKYYHPA
SRP2060-E10	LKGRFTI	SKDNSKNTVY	LQMNSLRAEDTAVYYCGR	NHFP	HY	YGSSHWYFN	VW	MGQTTVTVSS
SRP2060-E05	LKGRFTV	SKDNSKNTVY	LQMNSLRAEDTAVYYCGR	NHFP	HY	YGSSHWYFN	VW	MGQTTVTVSS
SRP2060-B01	LKGRFTI	SKDNSKNTVH	LQMNSLRAEDTAVYYCGR	NHFP	HY	YGSSHWYFN	VW	MGQTTVTVSS
SRP2060-A06	LKGRFTI	SKDNSKNTVY	LQMNSLRAEDTAVYYCGR	NHFP	HY	YGSSHWYFDV	VW	MGQTTVTVSS

FIG. 4

Column #	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	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
TRASTUZUMAB	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C	R	A	S	Q	D	V	N	T	A	V	A	W	Y	Q	Q	K	P	G	K	A	P	K	L	L	I	Y	S	A	S	F	L	Y	S	G	V	P
H6D1-LC4	E	I	V	M	T	Q	S	P	A	T	L	S	L	S	P	G	E	R	A	T	L	S	C	K	A	S	Q	D	I	N	S	Y	L	S	W	Y	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	R	A	N	R	L	V	D	G	I	P
H6D1-LC5	D	I	Q	M	T	Q	S	P	S	T	L	S	A	S	V	G	D	R	V	T	I	T	C	K	A	S	Q	D	I	N	S	Y	L	S	W	Y	Q	Q	K	P	G	K	A	P	K	L	L	I	Y	R	A	N	R	L	V	D	G	V	P

Column #	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
TRASTUZUMAB	S	R	F	S	G	S	R	S	G	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	H	Y	T	T	P	P	P	F	F	G	Q	G	T	K	V	E	I	K
H6D1-LC4	A	R	F	S	G	S	G	S	G	T	D	Y	T	L	T	I	S	S	L	E	P	E	D	F	A	V	Y	Y	C	L	Q	P	P	P	Y	T	F	F	G	G	T	K	V	E	I	K			
H6D1-LC5	S	R	F	S	G	S	G	S	G	T	E	F	T	L	T	I	S	S	L	Q	P	D	D	F	A	T	Y	Y	C	L	Q	P	P	Y	T	F	F	G	G	T	K	V	E	I	K				

FIG. 5

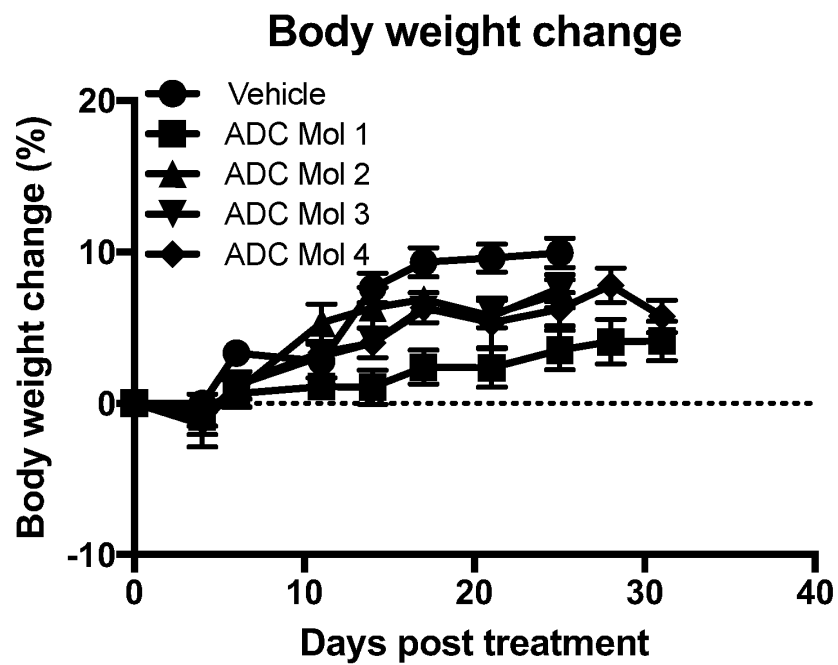


FIG. 6

Tumor growth curves

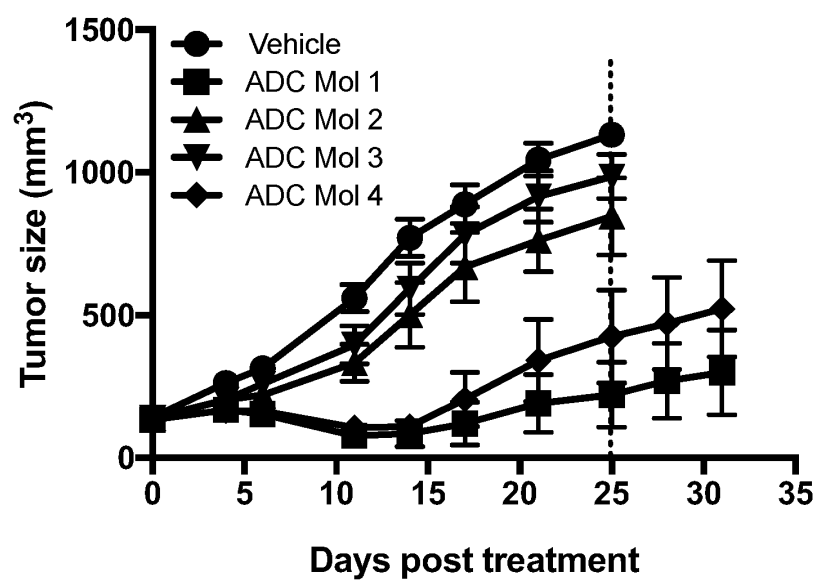


FIG. 7A

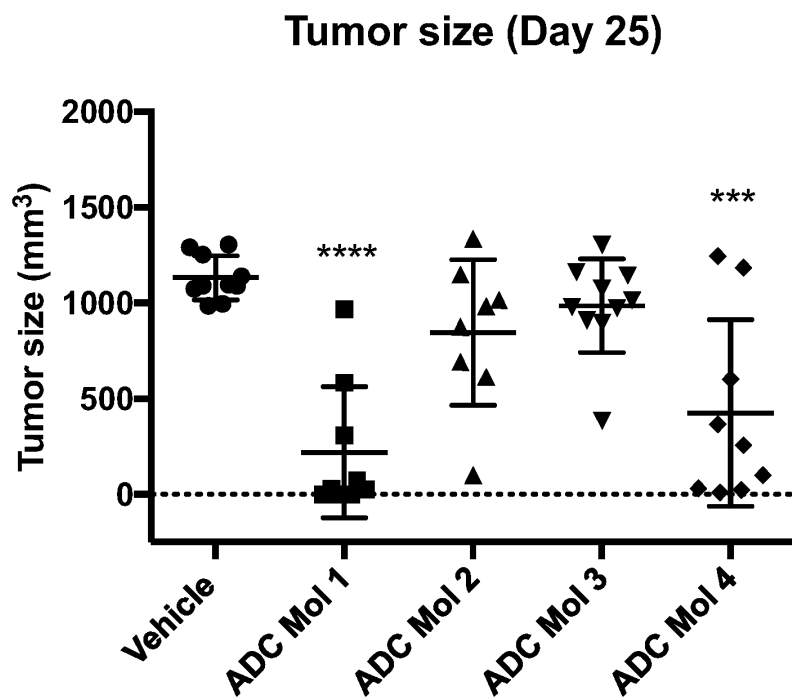


FIG. 7B

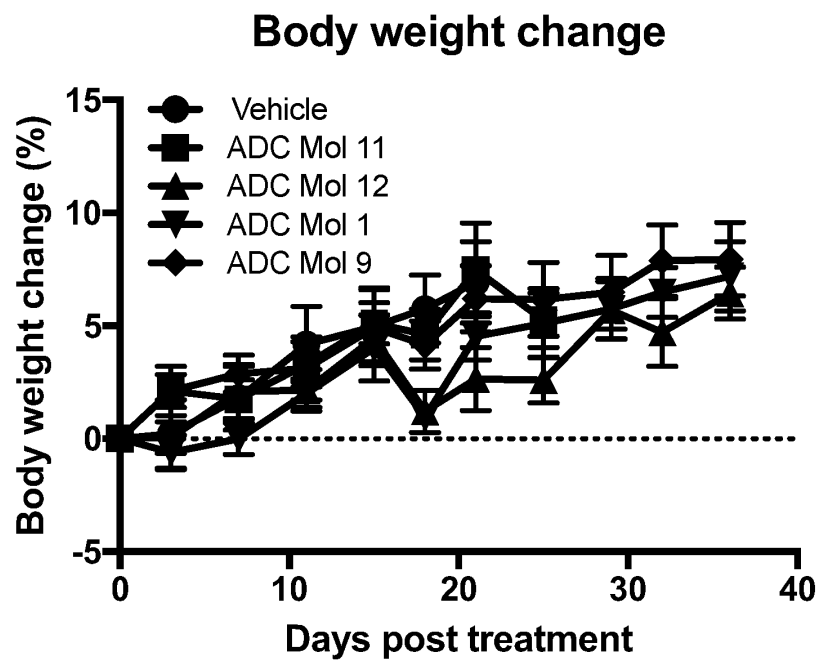


FIG. 9

Tumor growth curves

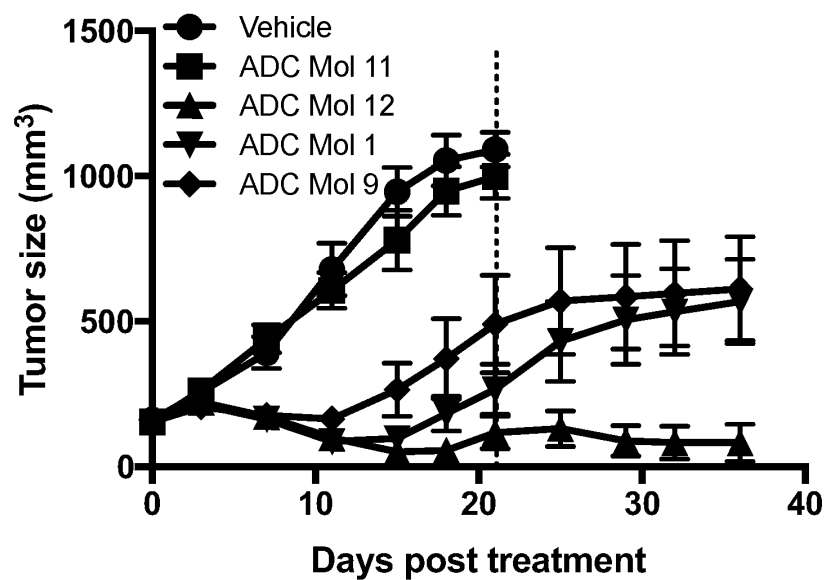


FIG. 10A

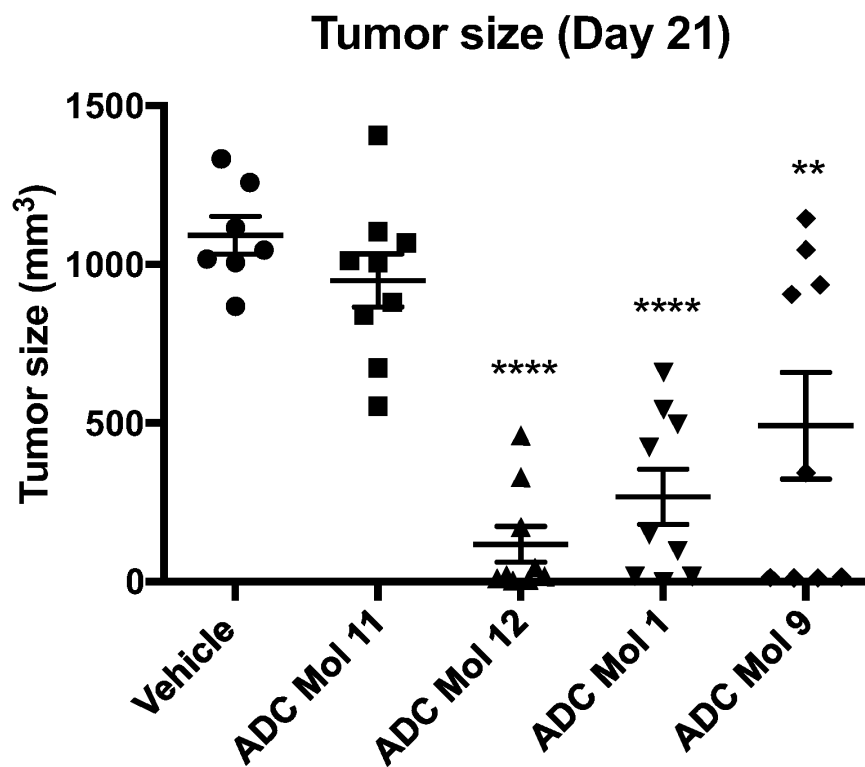


FIG. 10B

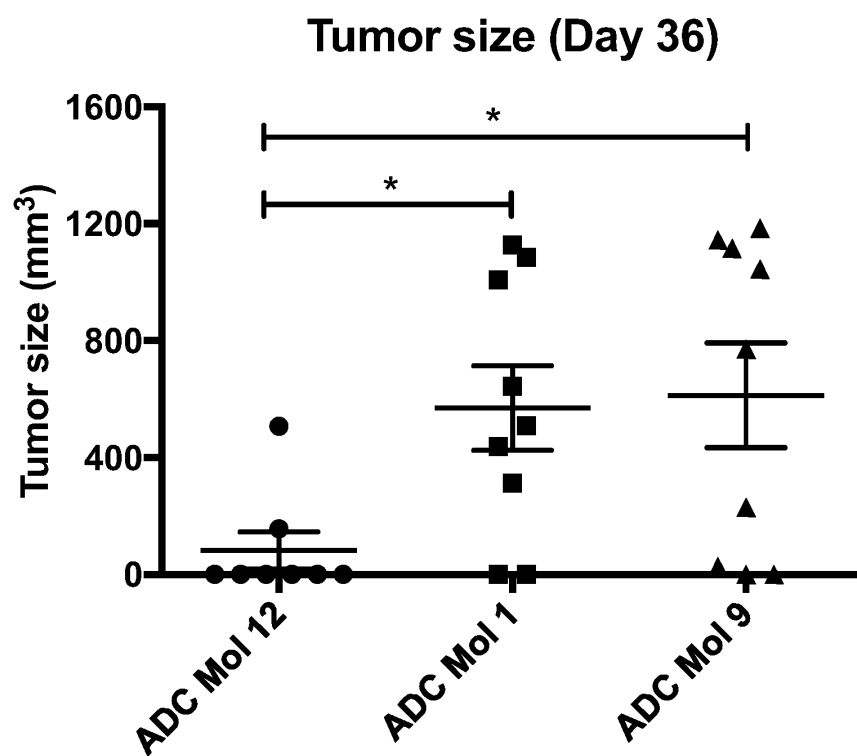


FIG. 11

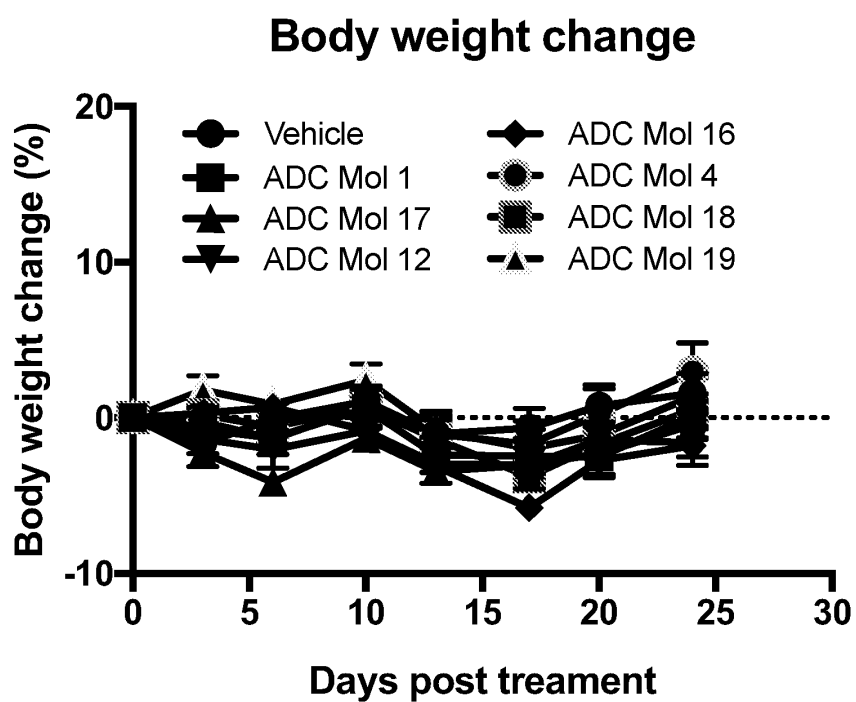


FIG. 12

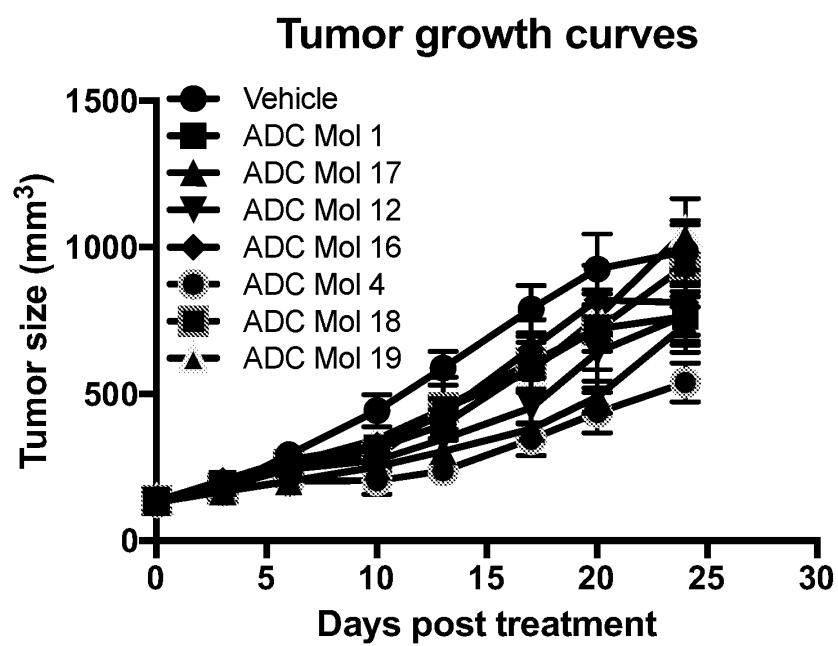


FIG. 13A

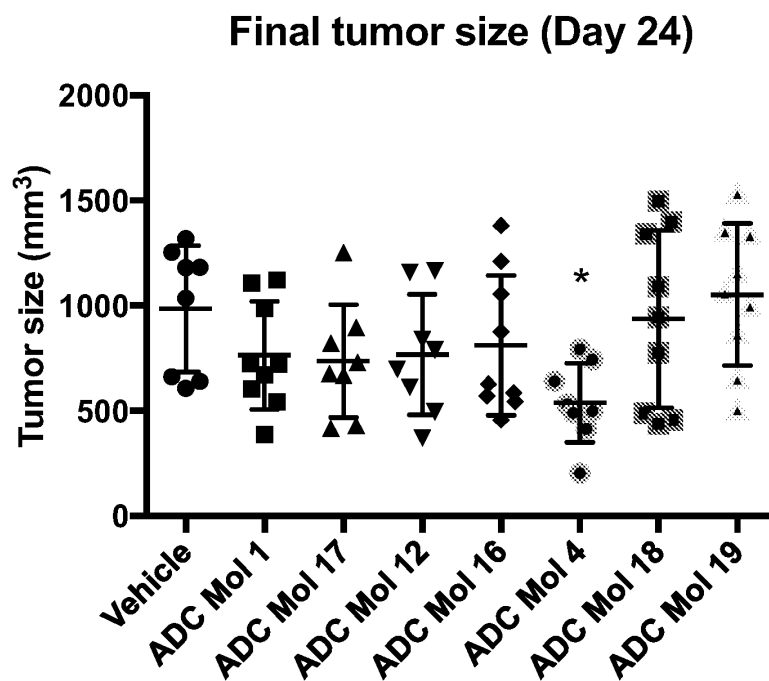


FIG. 13B

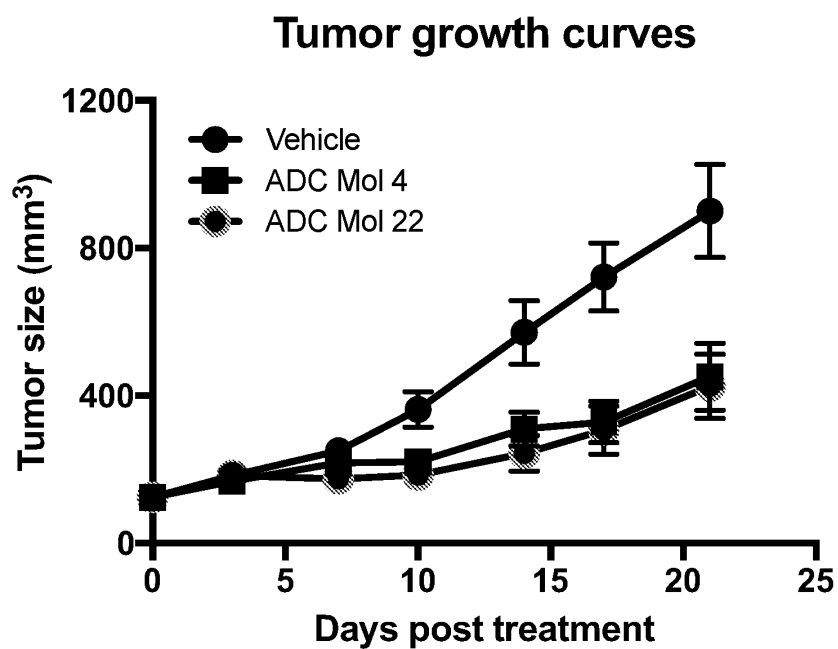


FIG. 14A

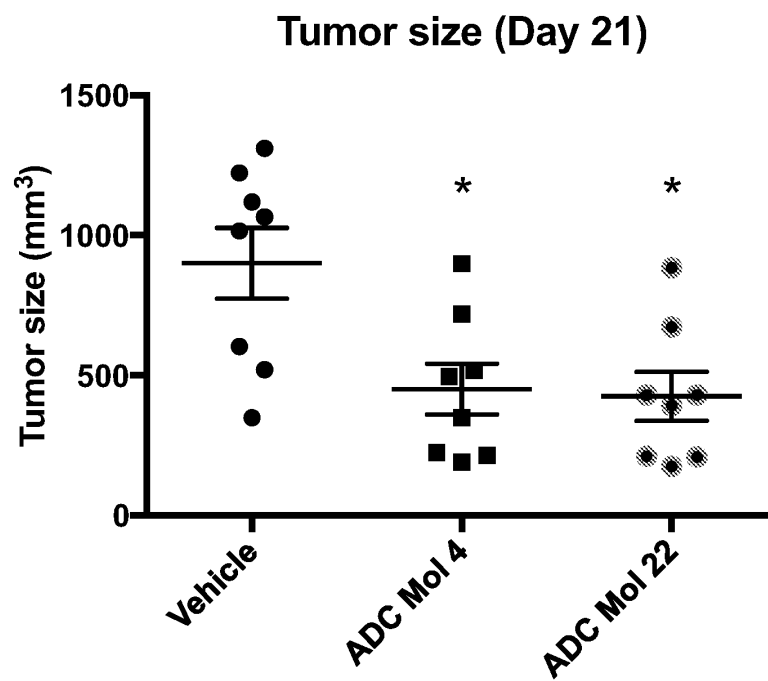


FIG. 14B

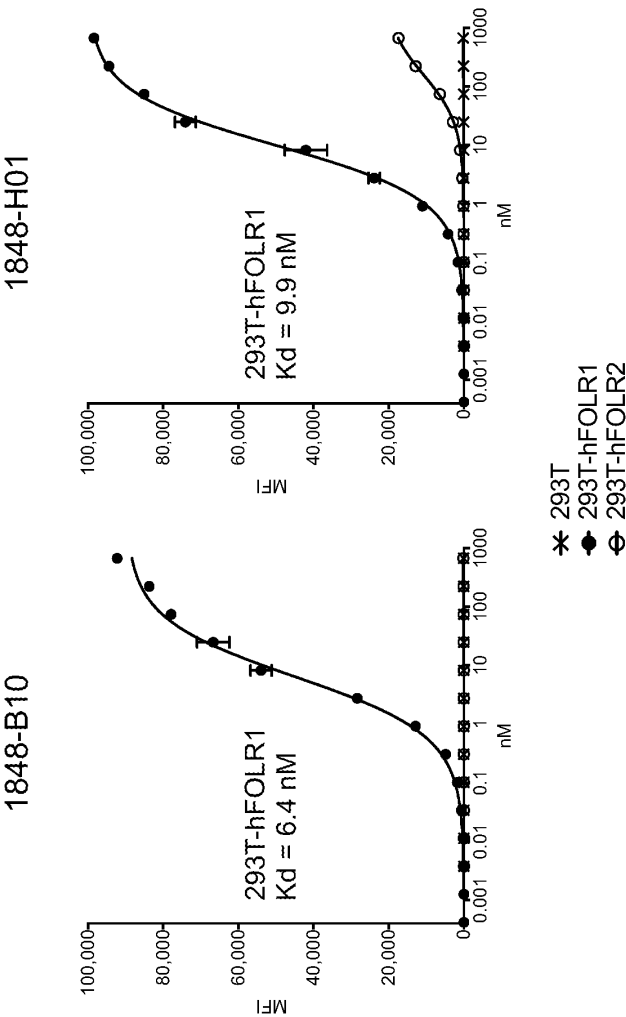


FIG. 15

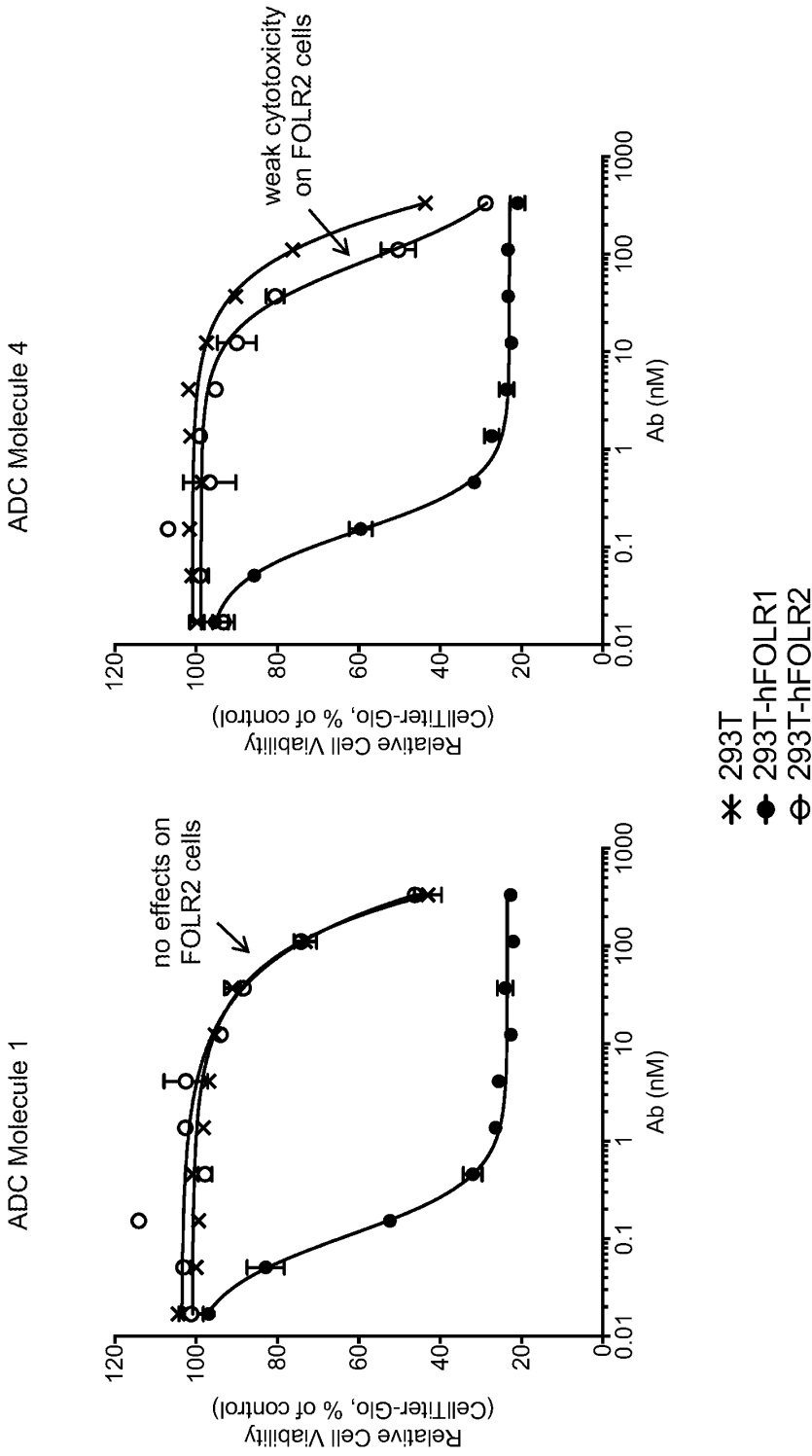


FIG. 16

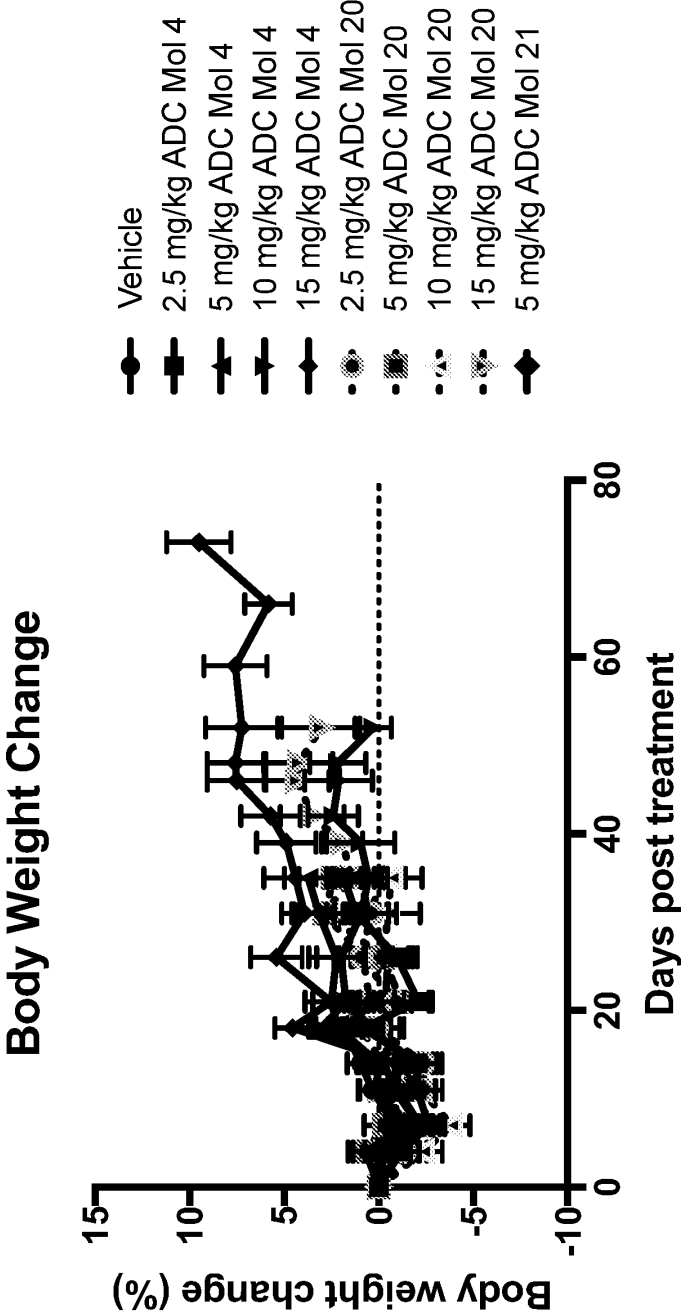


FIG. 17

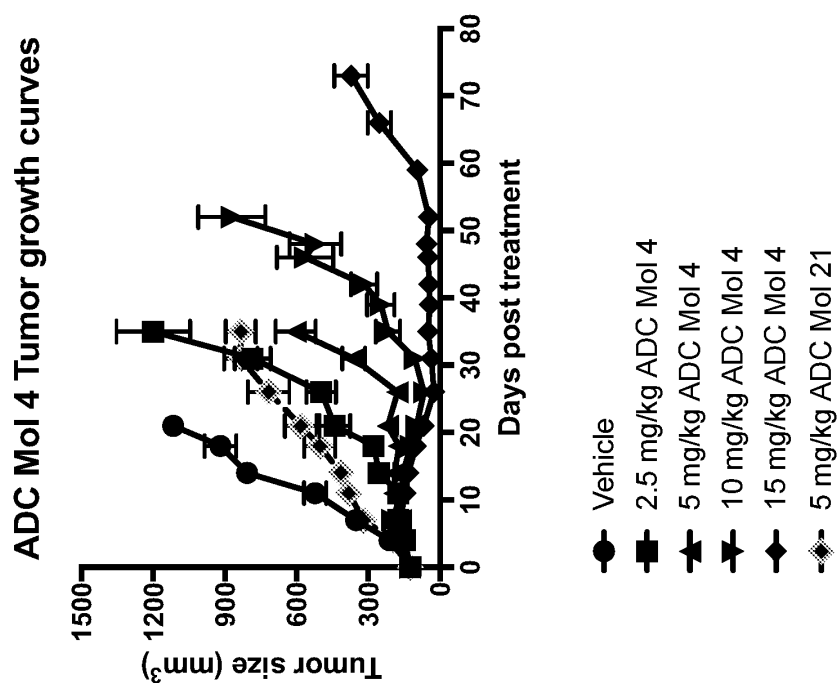


FIG. 18A

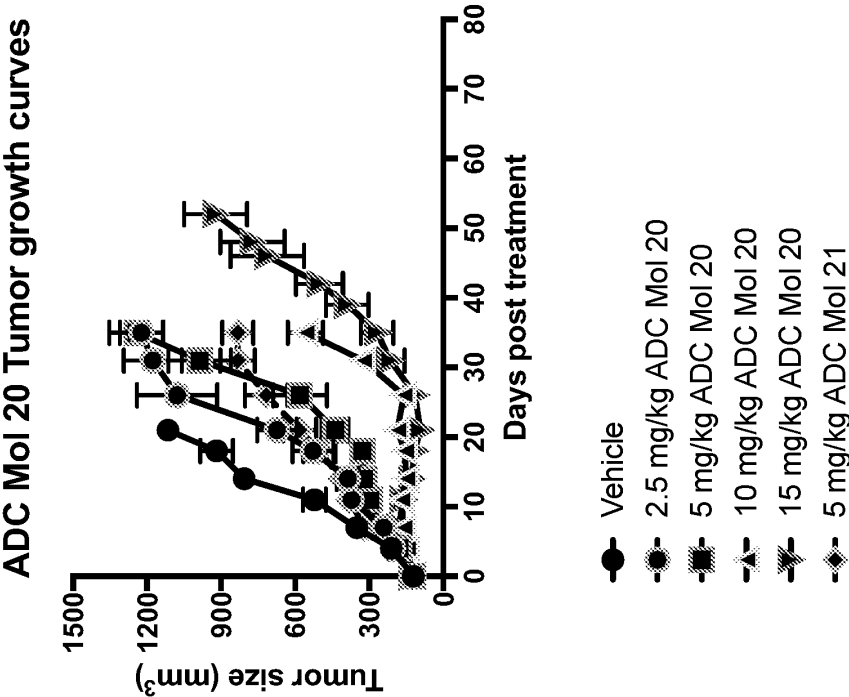


FIG. 18B

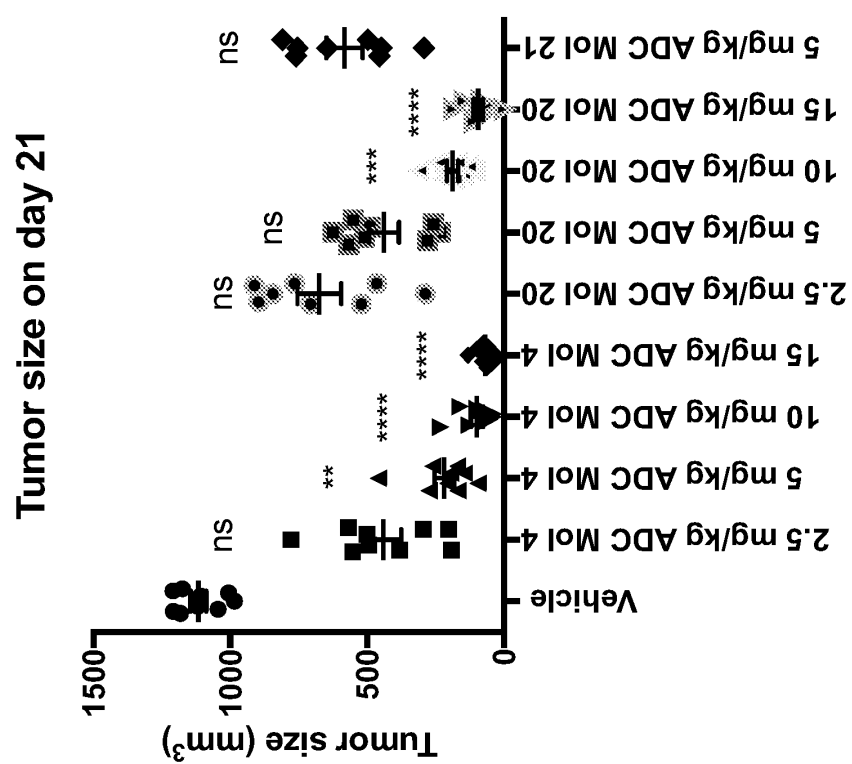


FIG. 18C

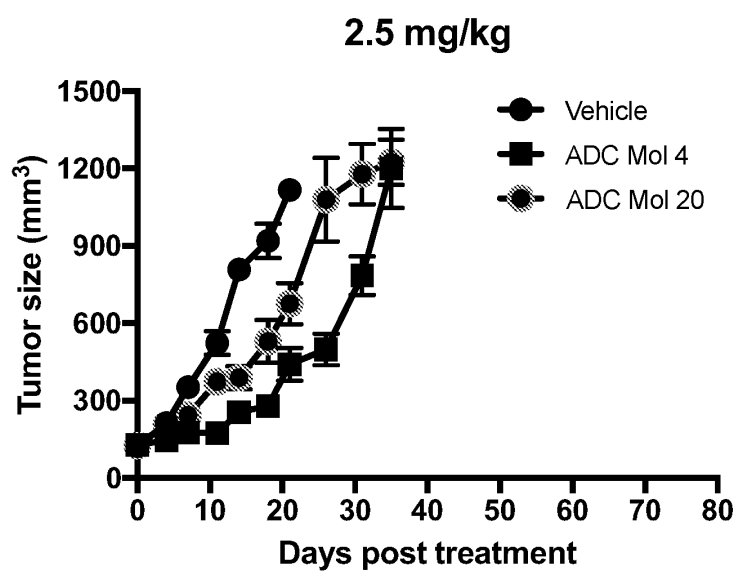


FIG. 19A

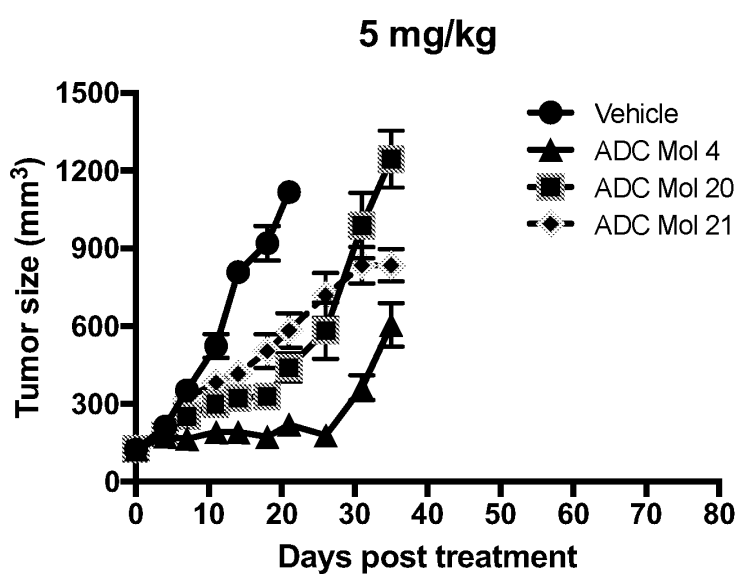


FIG. 19B

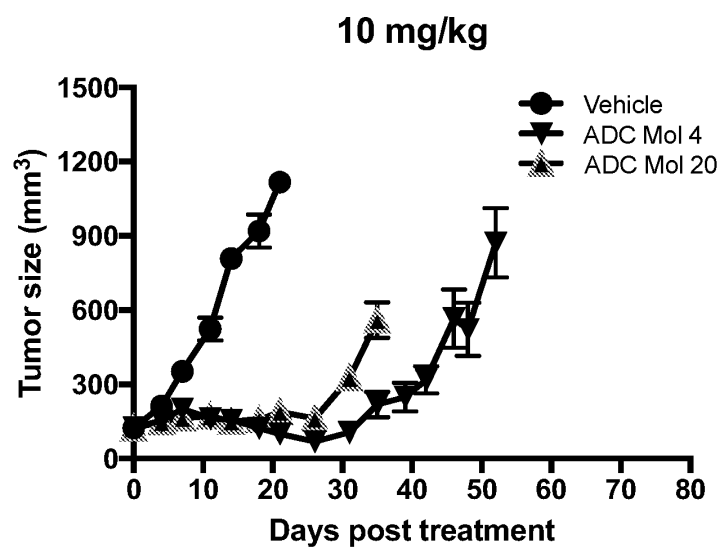


FIG. 19C

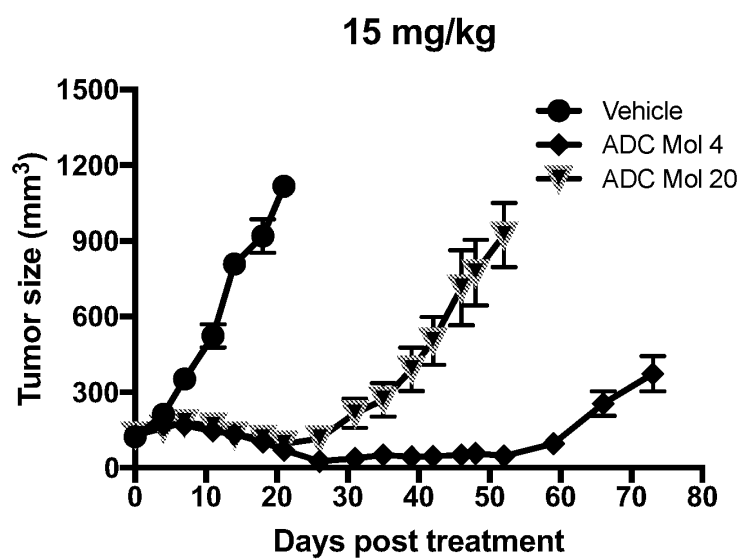
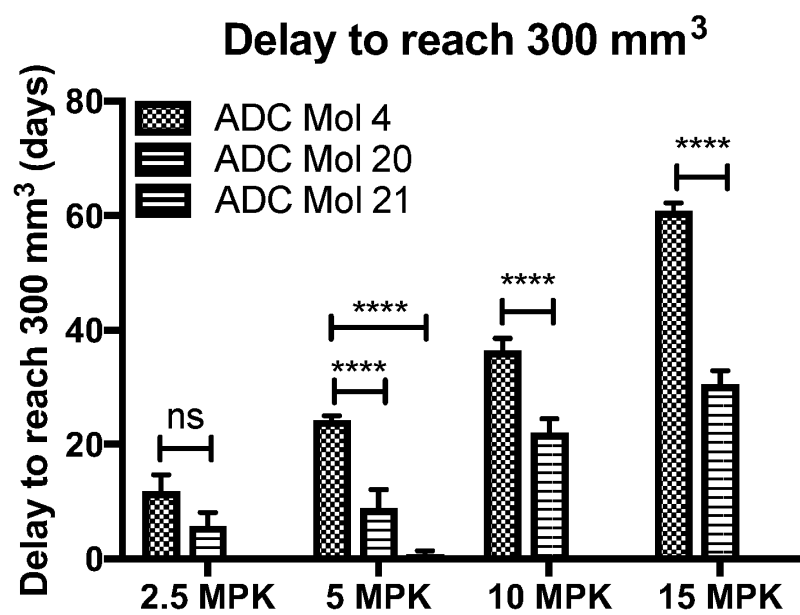


FIG. 19D



ns= not significant

FIG. 20

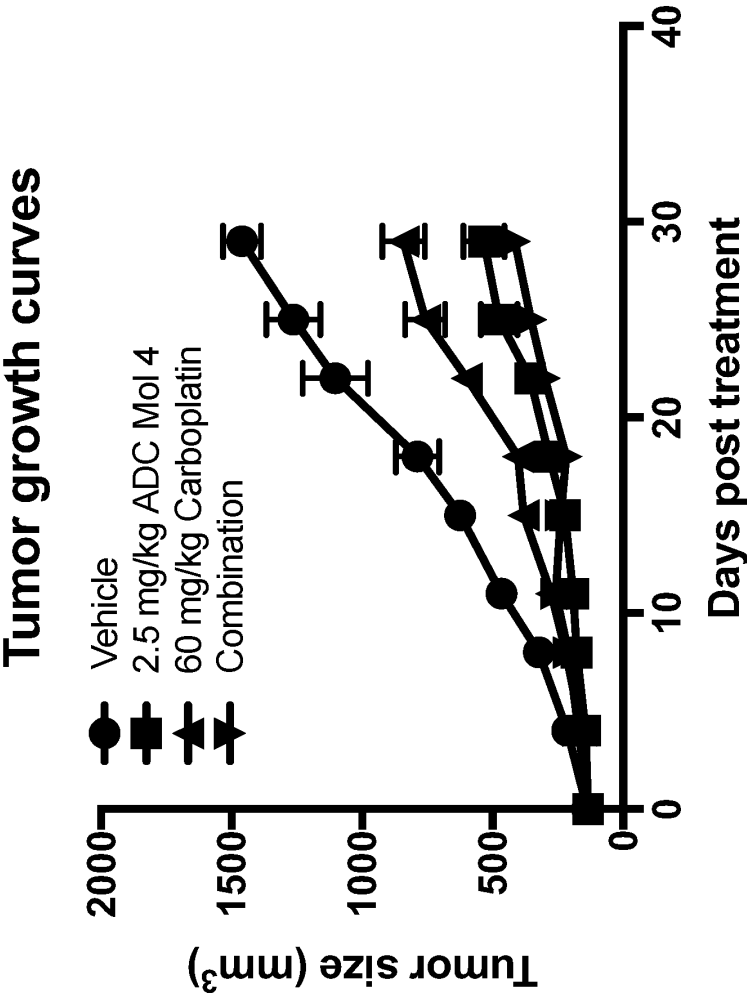


FIG. 21A

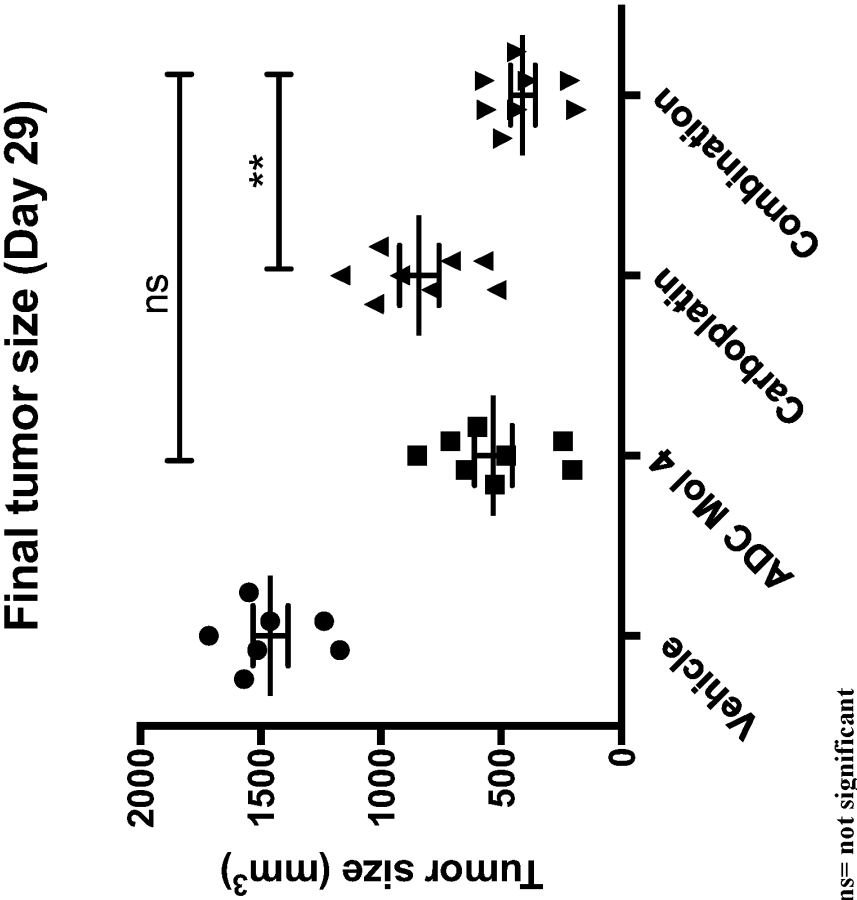


FIG. 21B

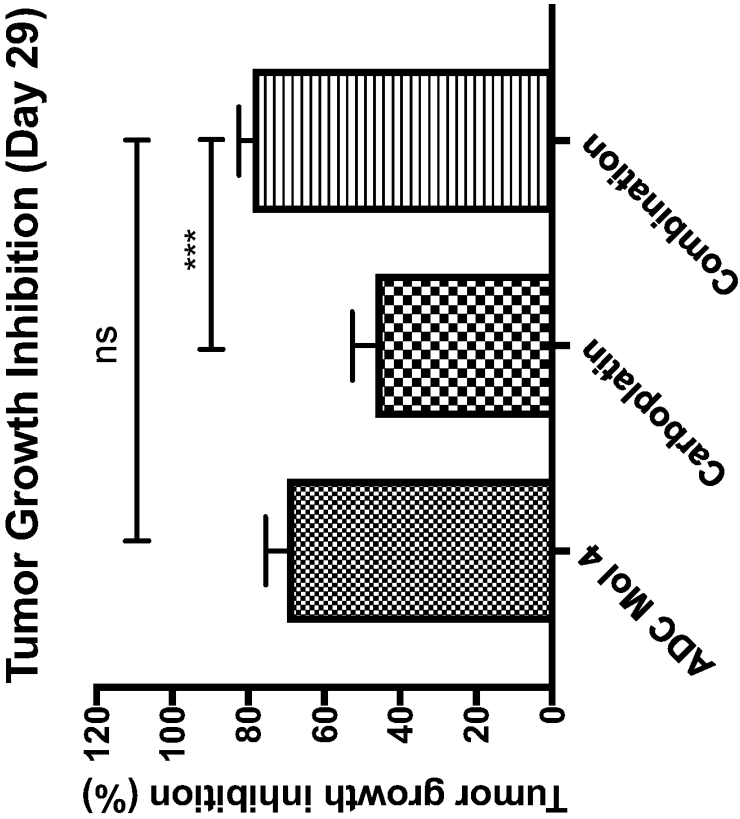


FIG. 21C

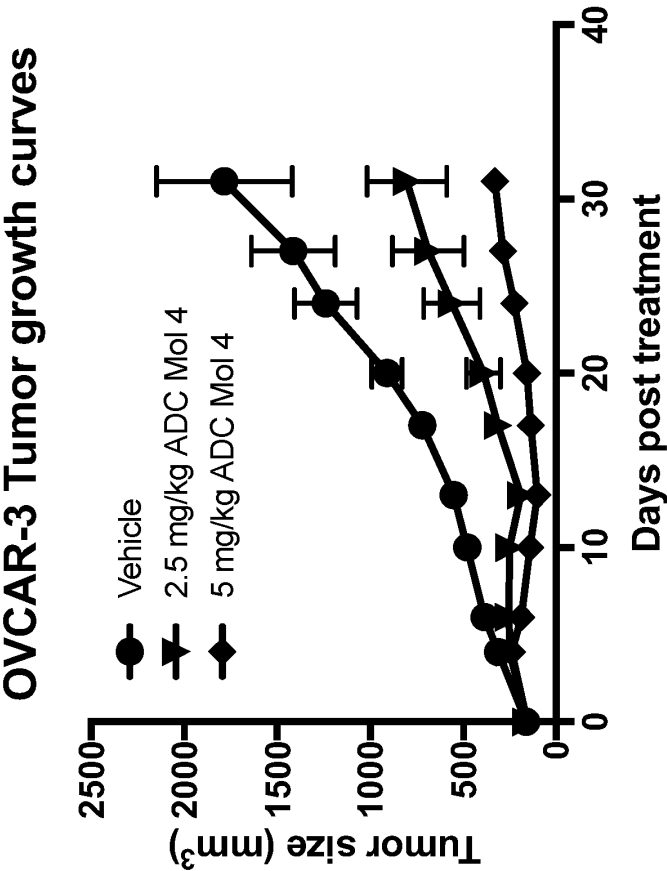


FIG. 22A

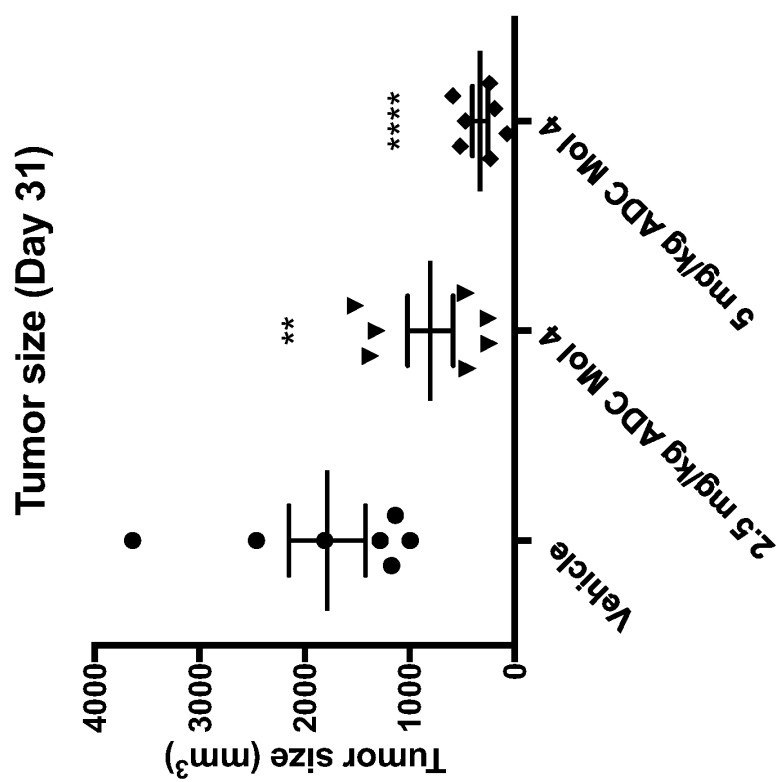


FIG. 22B

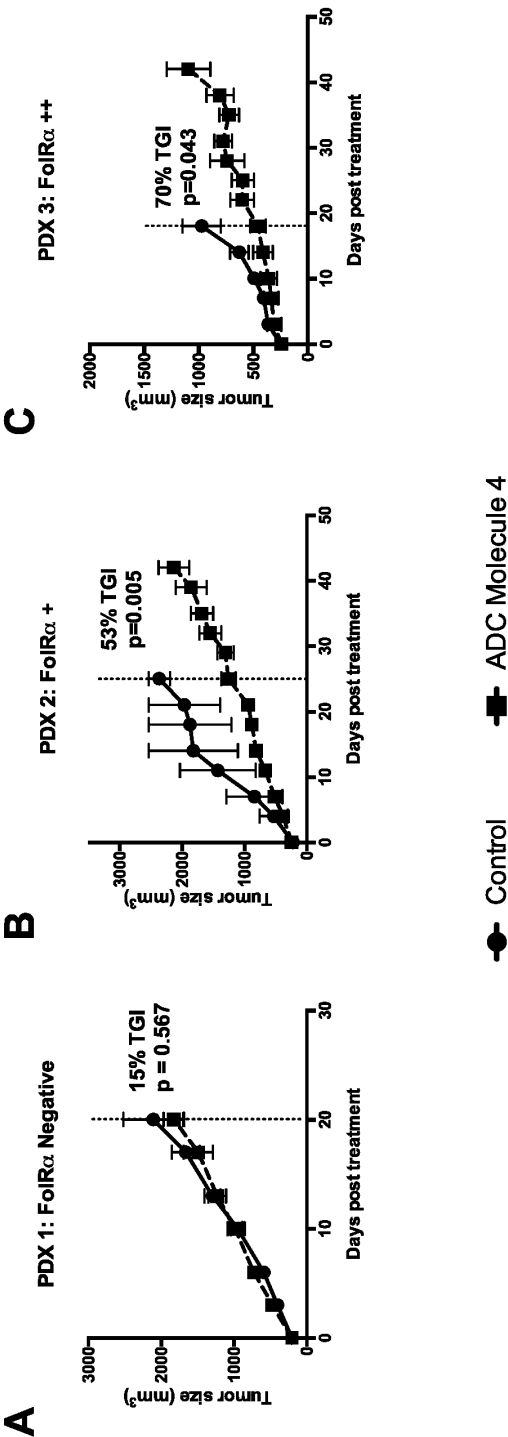


FIG. 23 (A-C)

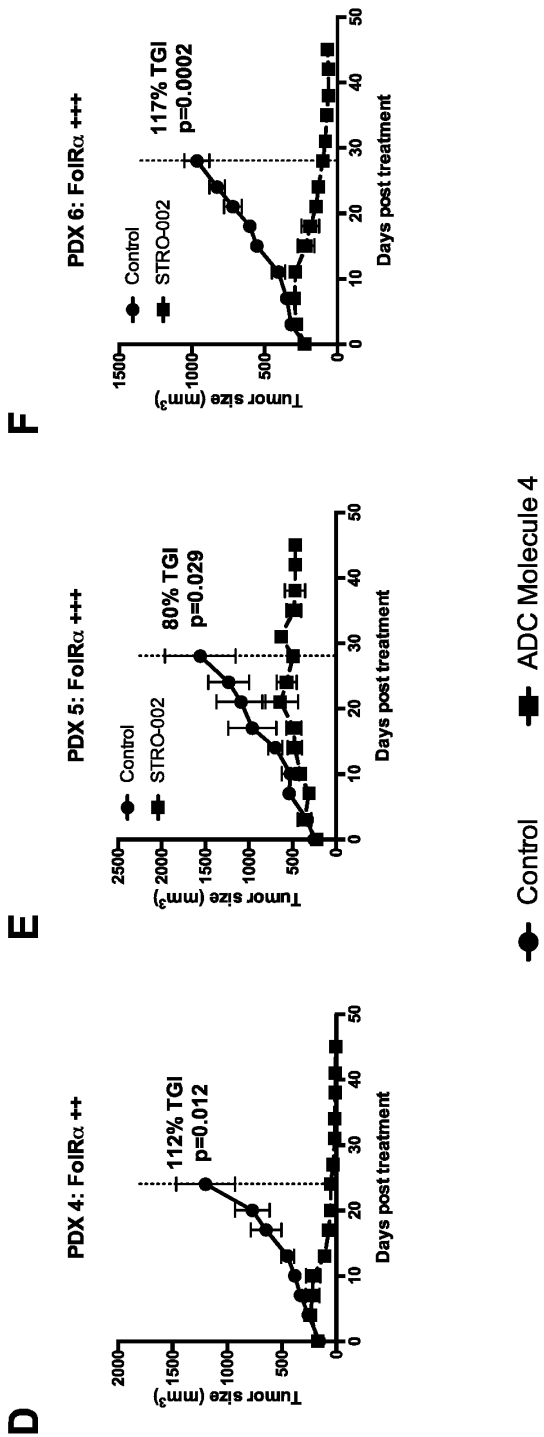


FIG. 23 (D-F)

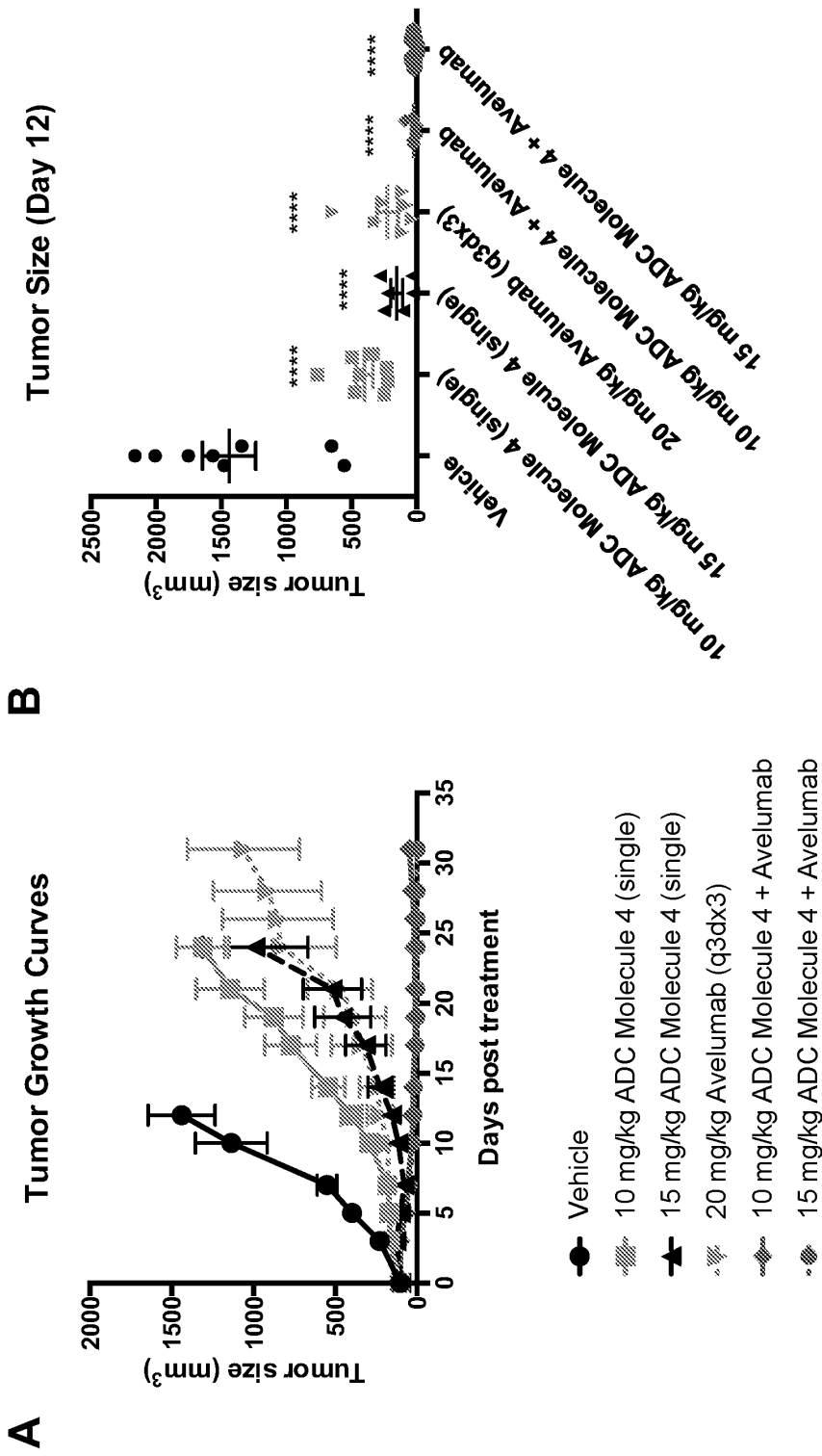


FIG. 24

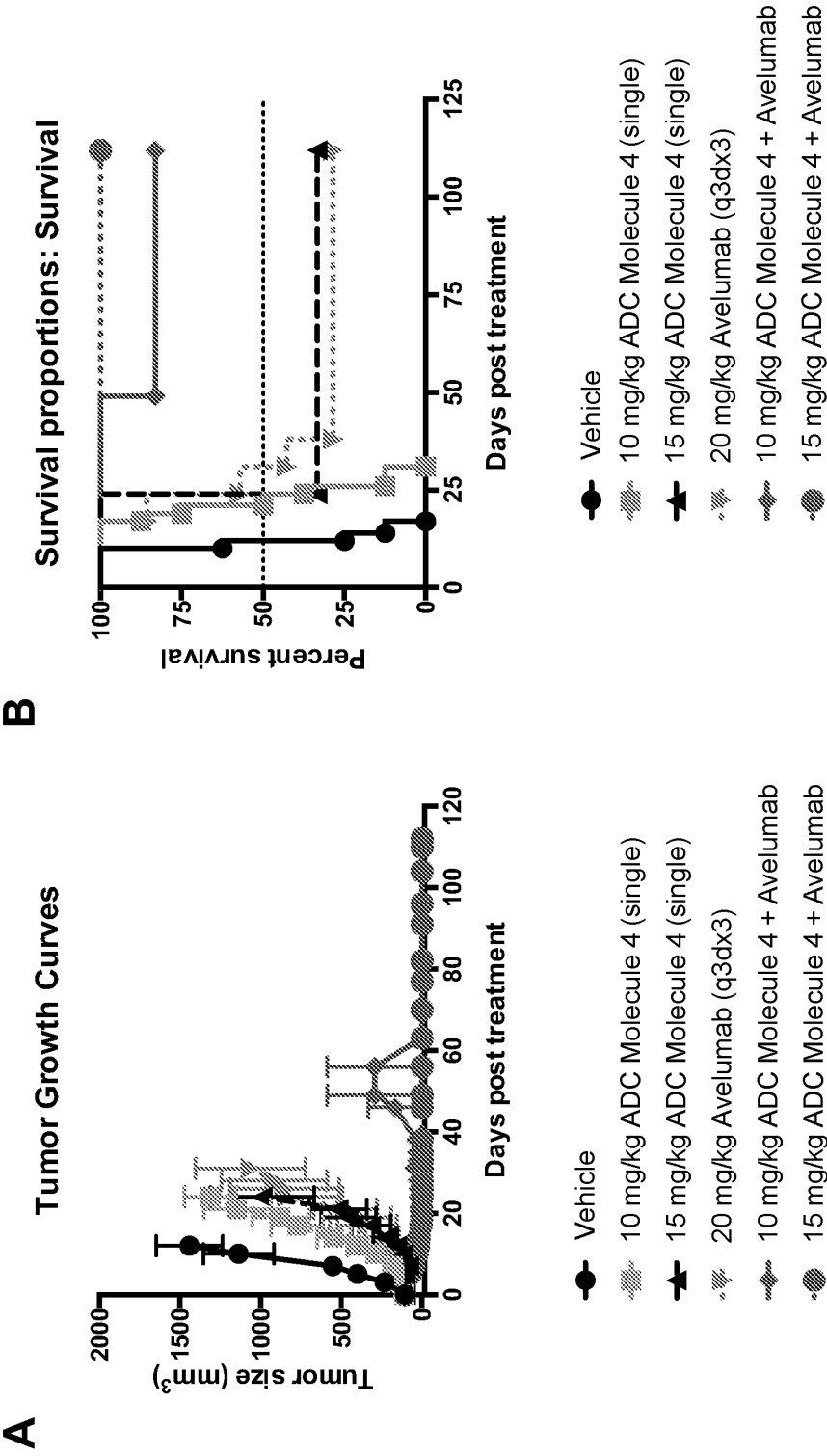


FIG. 25

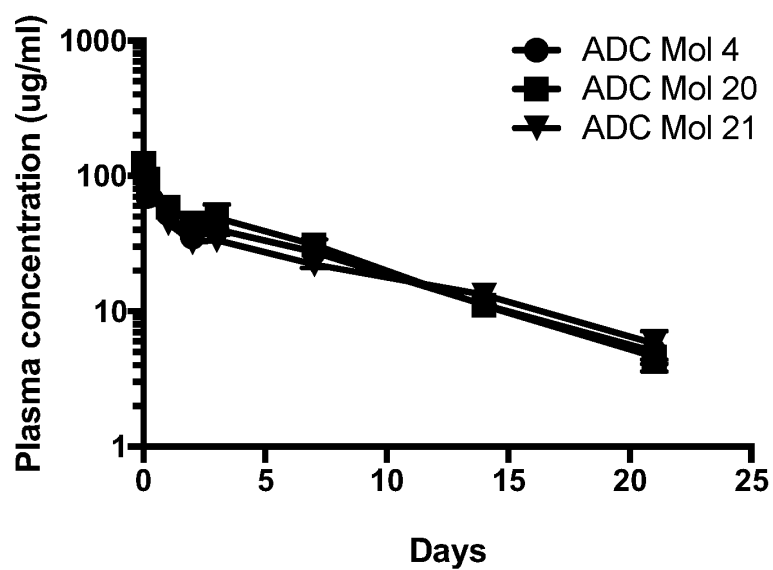


FIG. 26

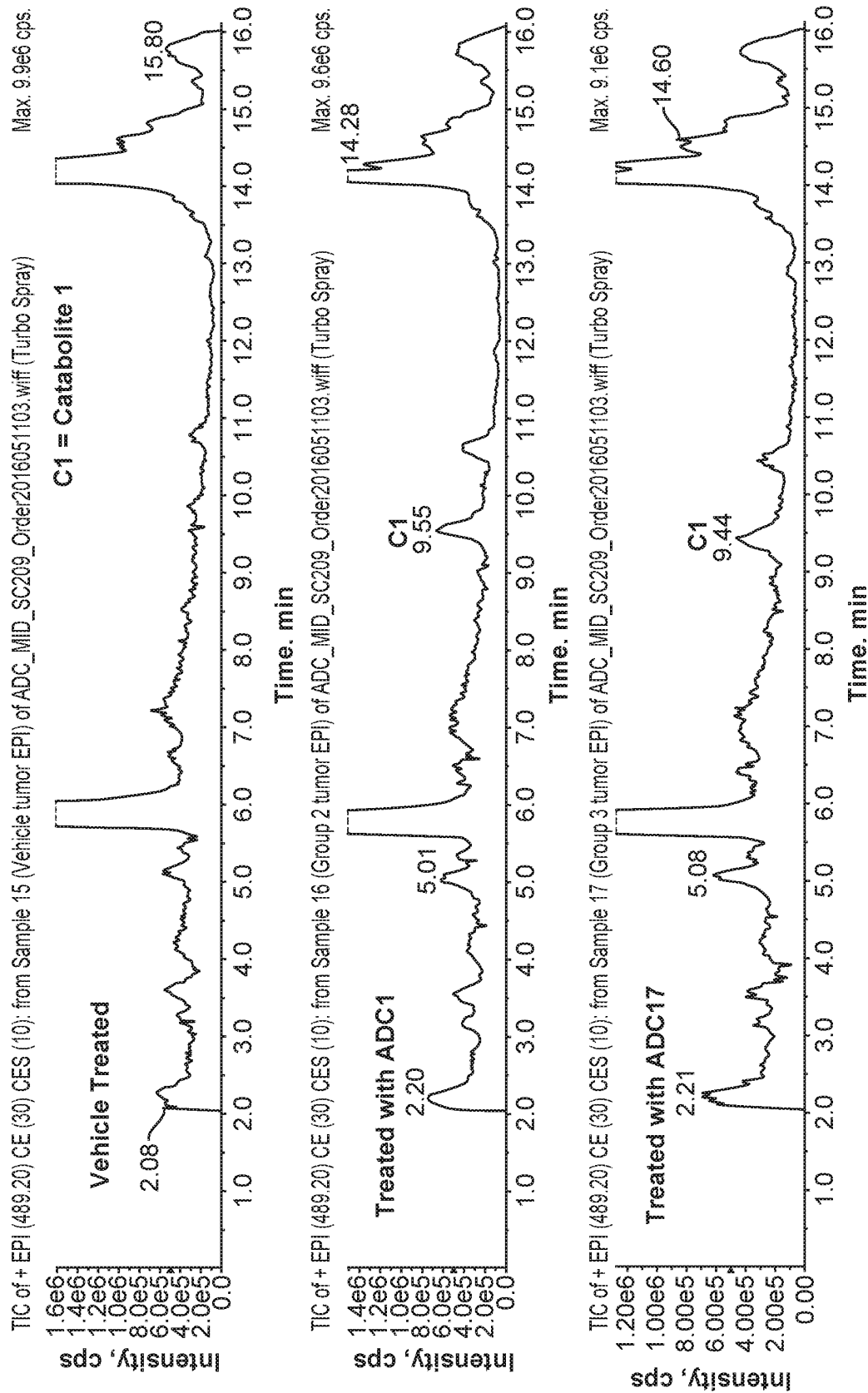


FIG. 27

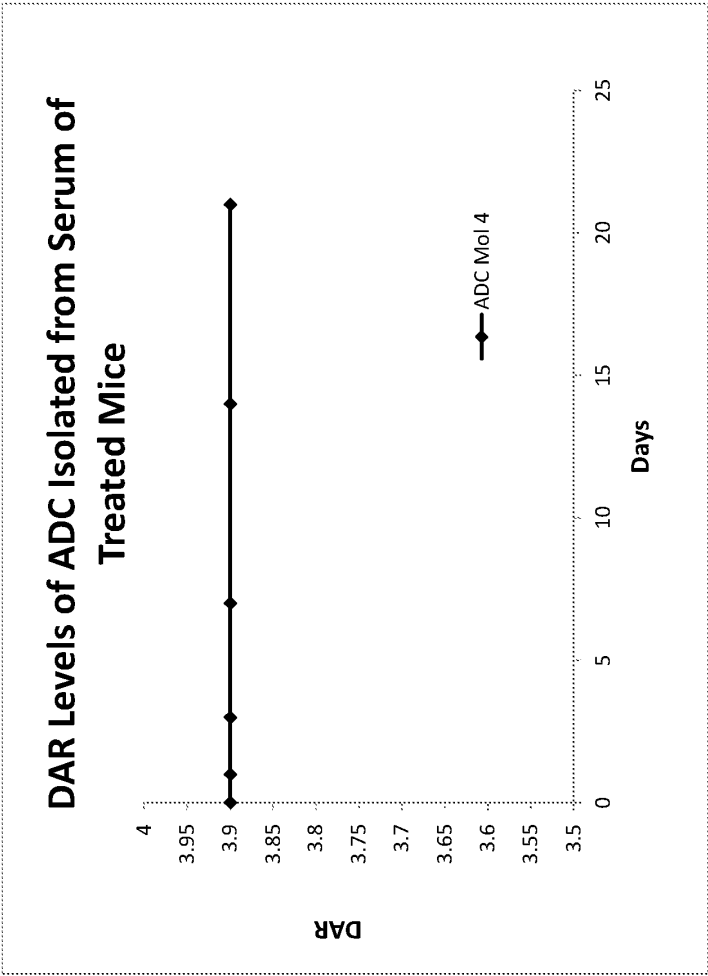


FIG. 28

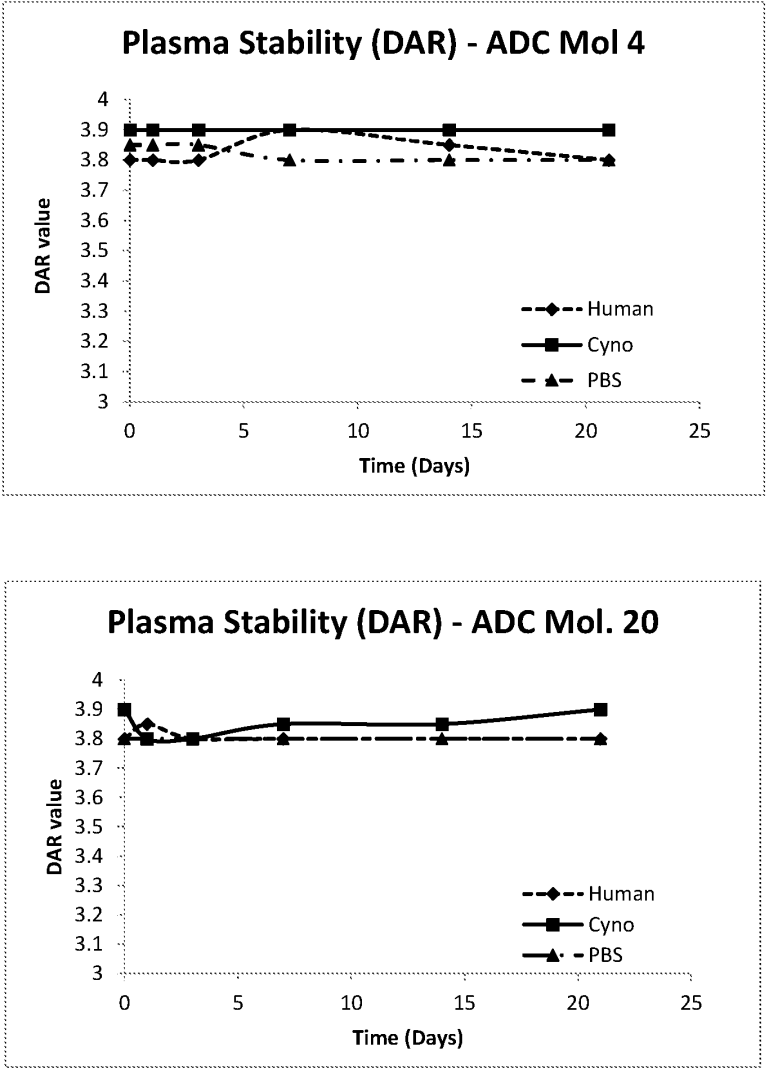
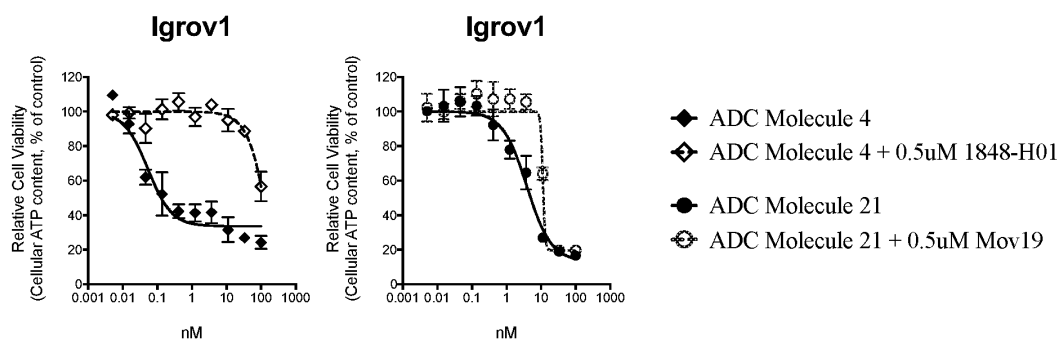
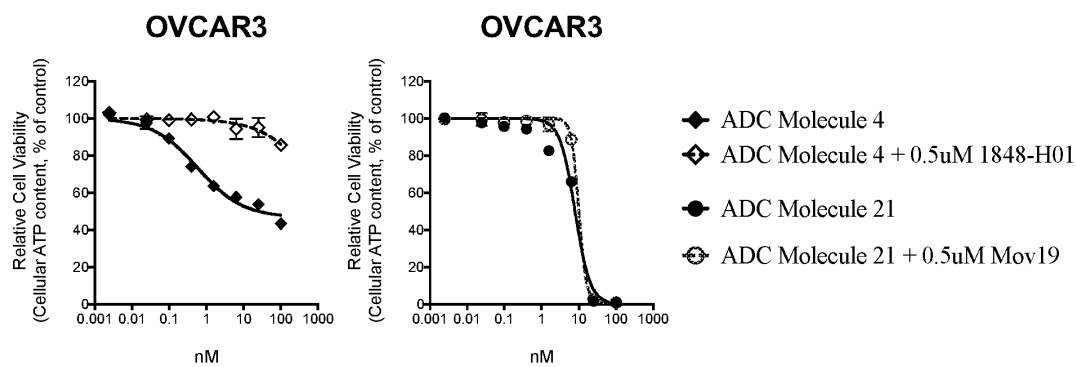


FIG. 29

A



B



C

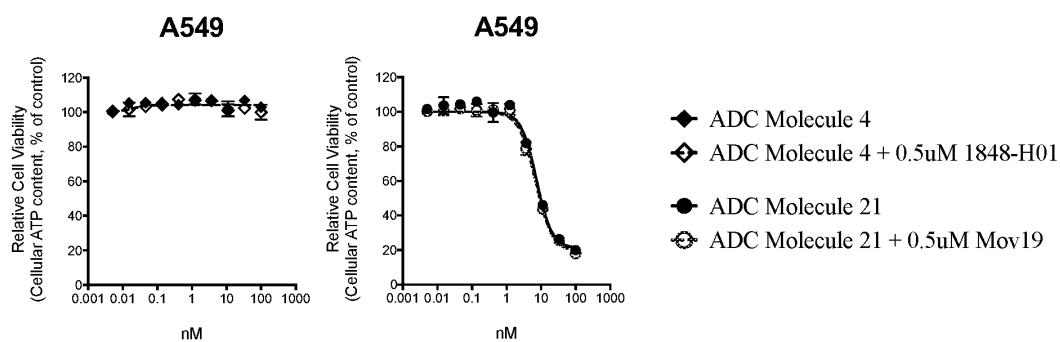


FIG. 30

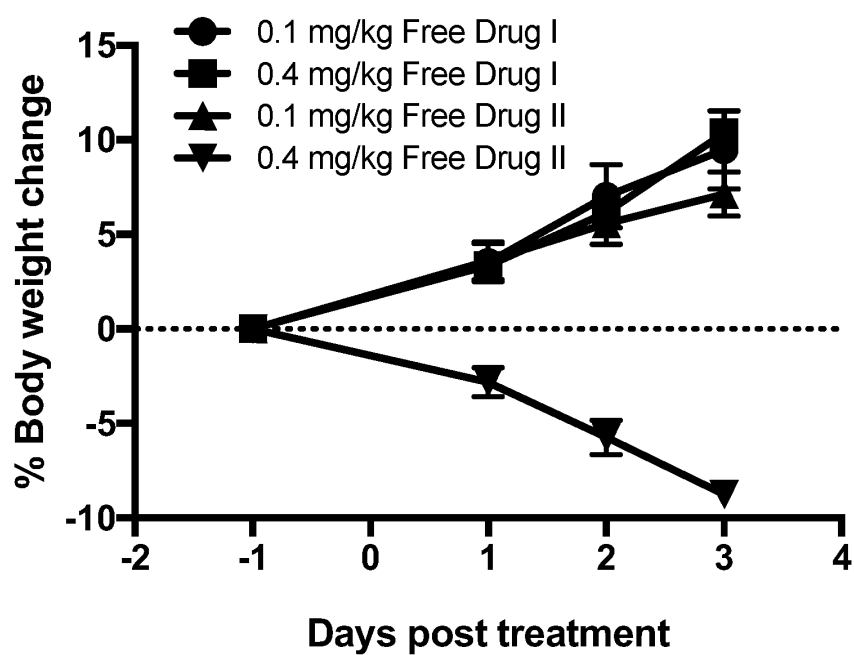
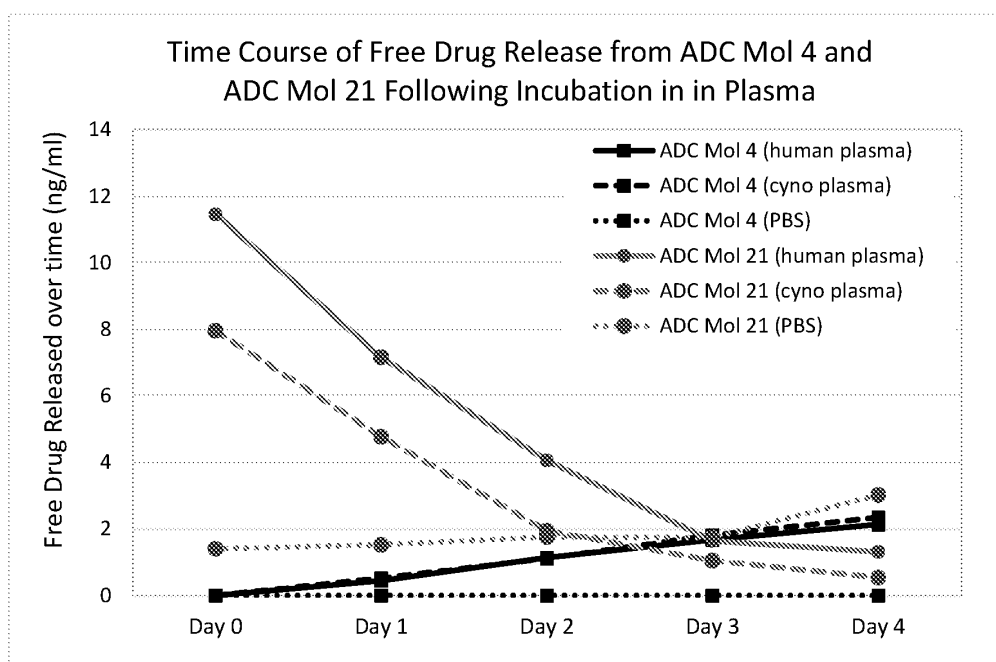


FIG. 31

**FIG. 32**

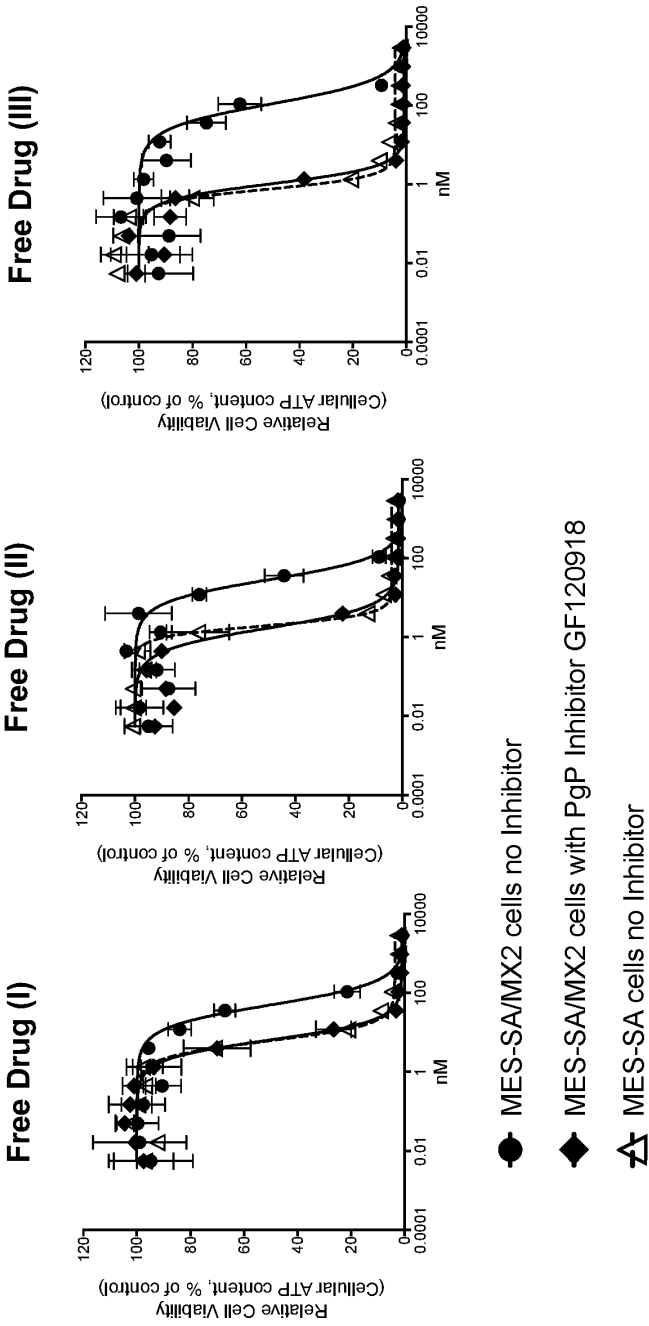
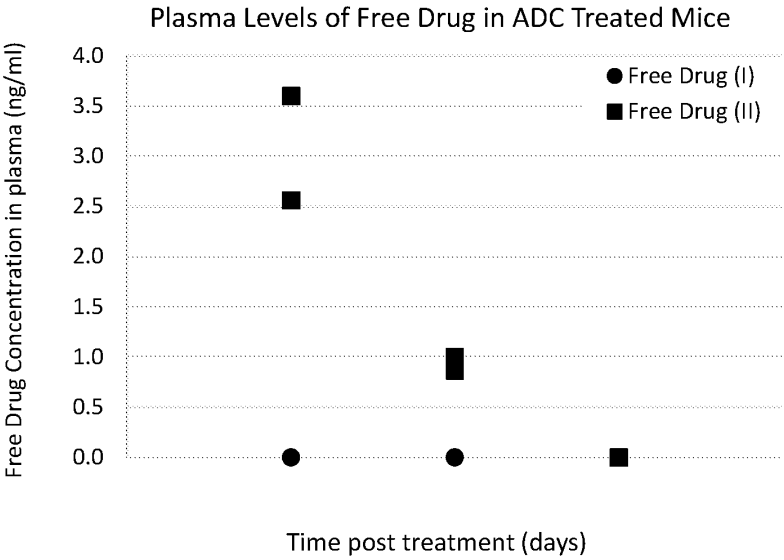


FIG. 33

A



B

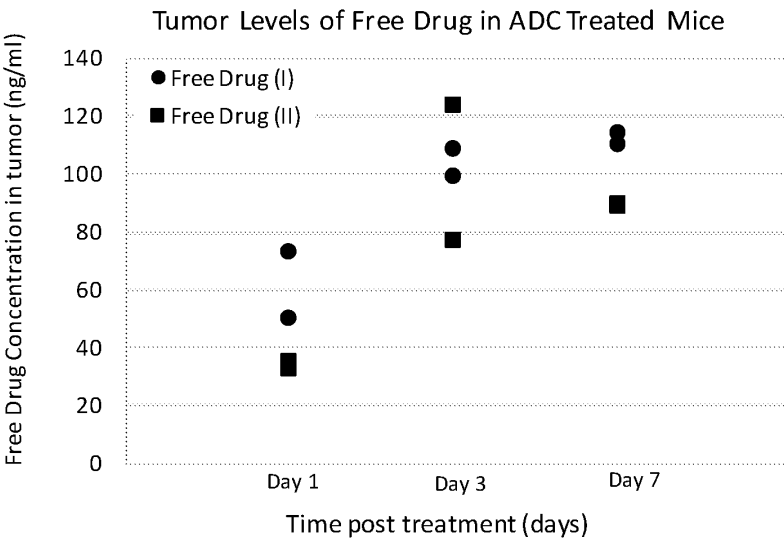


FIG. 34

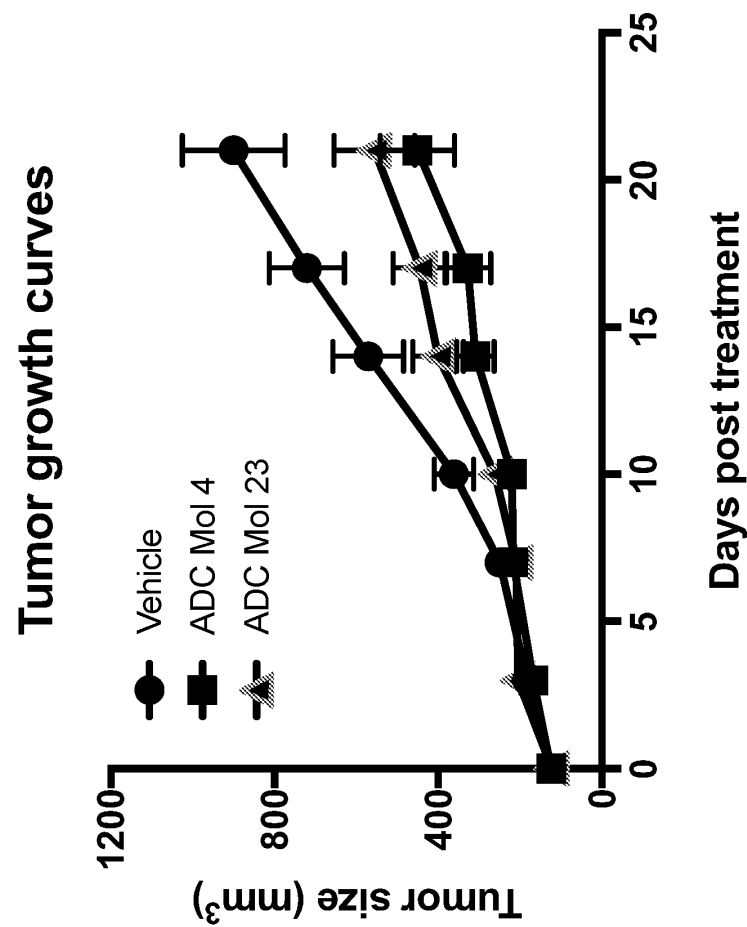


FIG. 35A

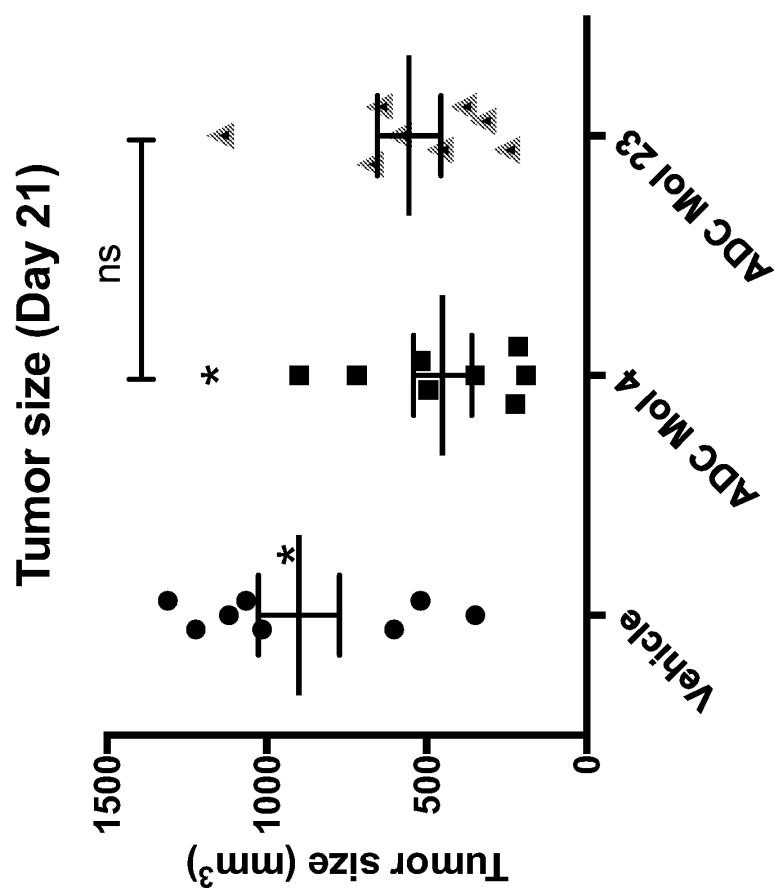


FIG. 35B

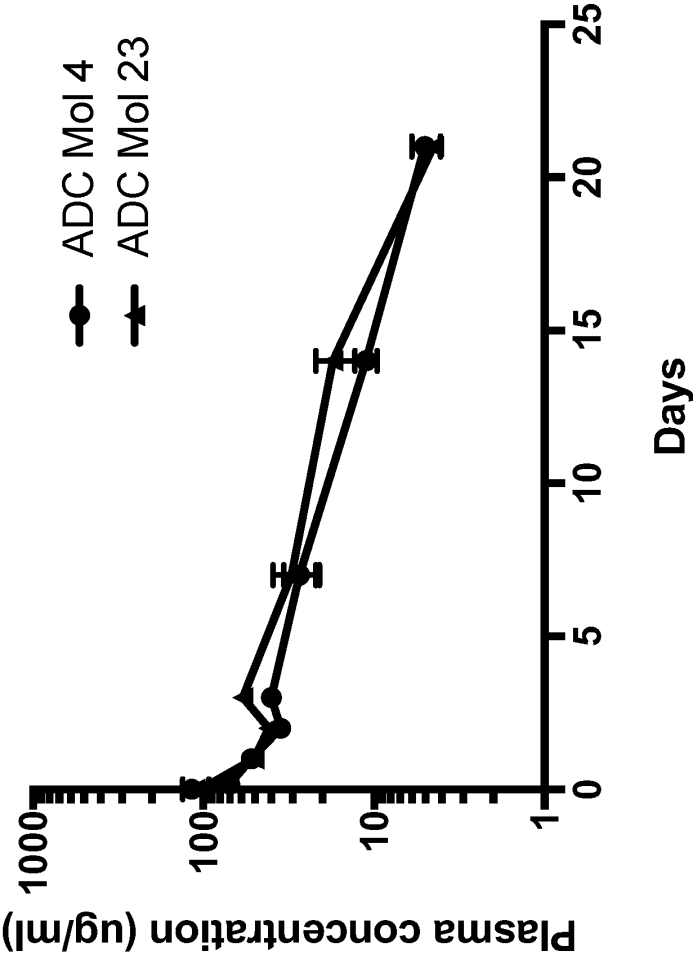


FIG. 36