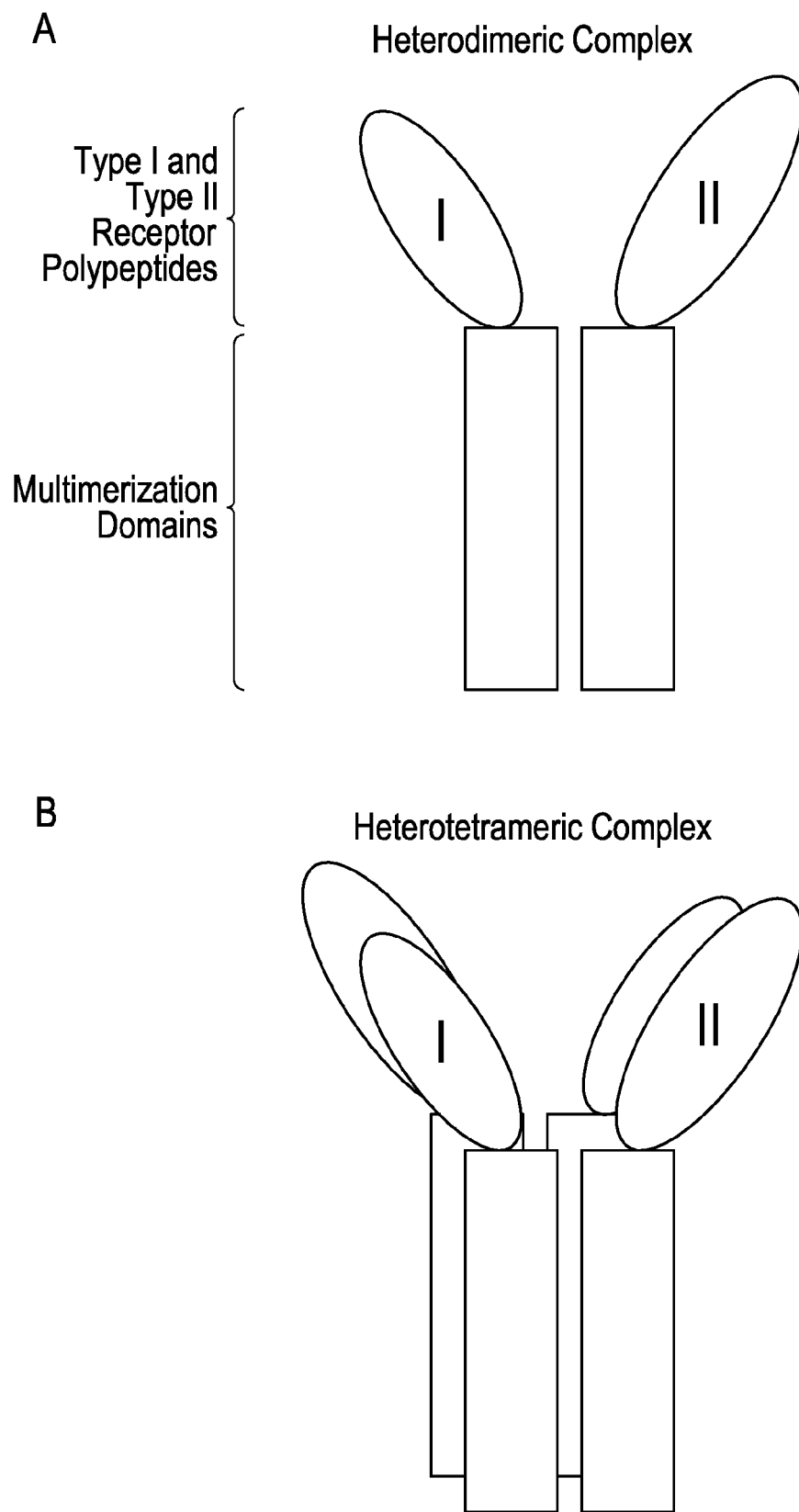


1/31

**FIGURE 1**

2/31

Schematic Heteromeric Protein Complex

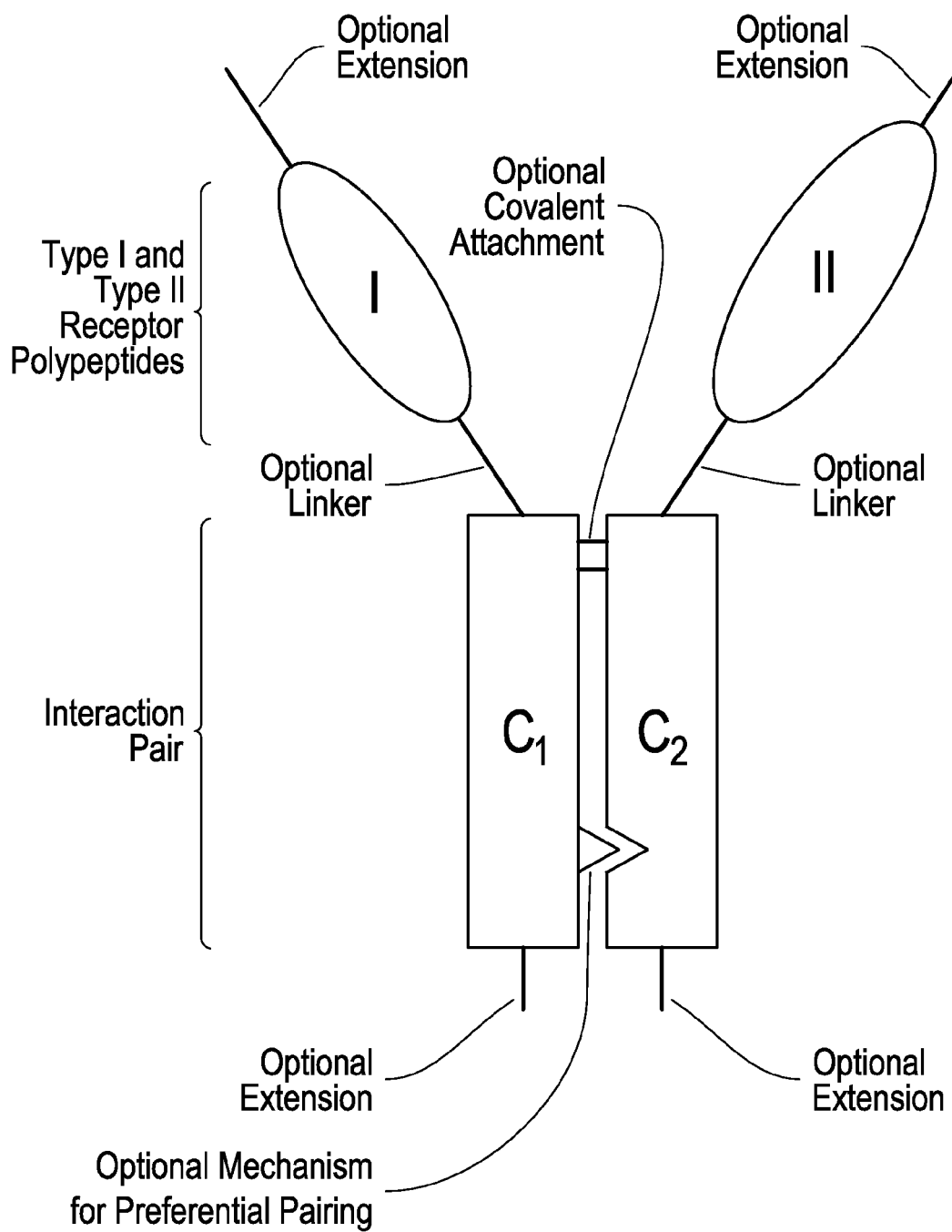


FIGURE 2

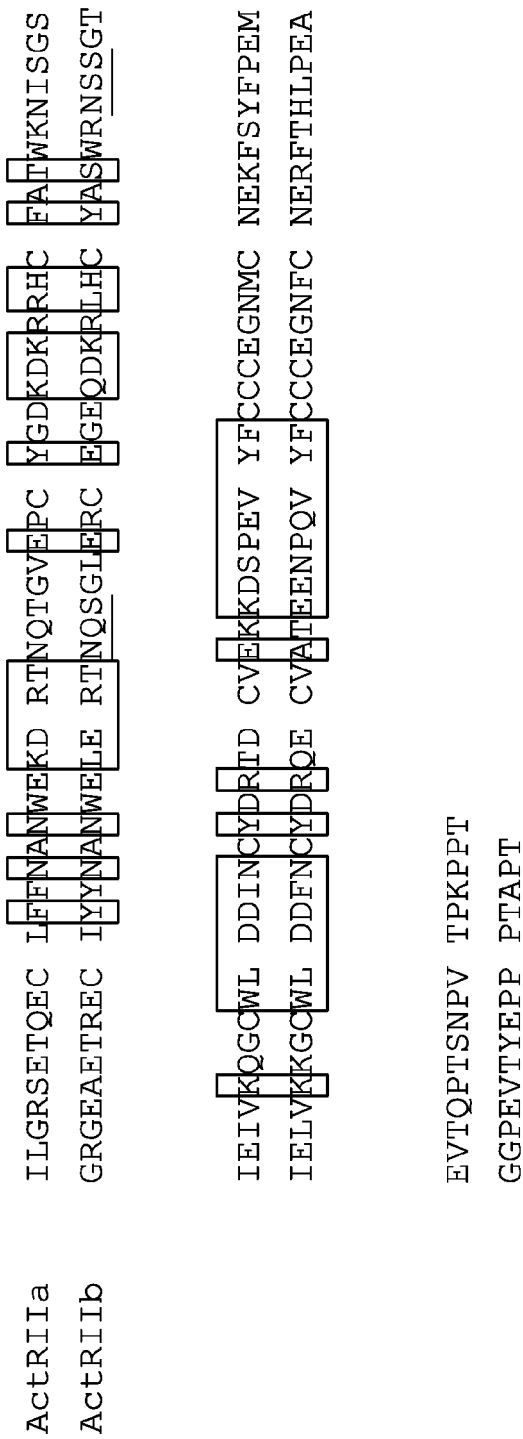


FIGURE 3

Rat Ilb	M	T	A	P	W	A	A	-	L	A	L	L	W	G	S	L	C	A	G	S	G	R	G	E	A	E	T	R	E	C	I	Y	N	A	N	W	E	L	E	R	T	N	Q	S	G	L	E	R	-	C	E	G	E	Q	D	K	R
Pig Ilb	M	T	A	P	W	A	A	-	L	A	L	L	W	G	S	L	C	V	G	S	G	R	G	E	A	E	T	R	E	C	I	Y	N	A	N	W	E	L	E	R	T	N	Q	S	G	L	E	R	-	C	E	G	E	Q	D	K	R
Mouse Ilb	M	T	A	P	W	A	A	-	L	A	L	L	W	G	S	L	C	A	G	S	G	R	G	E	A	E	T	R	E	C	I	Y	N	A	N	W	E	L	E	R	T	N	Q	S	G	L	E	R	-	C	E	G	E	Q	D	K	R
Human Ilb	M	T	A	P	W	V	A	-	L	A	L	L	W	G	S	L	C	A	G	S	G	R	G	E	A	E	T	R	E	C	I	Y	N	A	N	W	E	L	E	R	T	N	Q	S	G	L	E	R	-	C	E	G	E	Q	D	K	R
Bovine Ilb	M	T	A	P	W	A	A	-	L	A	L	L	W	G	S	L	C	A	G	S	G	R	G	E	A	E	T	R	E	C	I	Y	N	A	N	W	E	L	E	R	T	N	Q	S	G	L	E	R	-	C	E	G	E	R	D	K	R
Xenopus Ilb	M	G	A	S	V	A	L	T	F	L	L	L	A	T	F	R	A	G	S	G	H	D	E	V	E	T	R	E	C	I	Y	N	A	N	W	E	L	E	K	T	N	Q	S	G	V	E	R	L	V	E	G	K	K	D	K	R	
Human IIA	M	G	A	A	K	L	A	F	A	V	F	L	I	S	C	S	S	G	A	I	L	G	R	S	E	T	Q	E	C	L	F	F	N	A	N	W	E	K	D	R	T	N	Q	T	G	V	E	P	-	C	Y	G	D	K	D	K	R
Consensus	M	t	A	p	w	a	a	X	I	a	I	I	w	g	s	I	c	a	G	s	g	r	g	e	a	E	T	r	E	C	r	y	N	A	N	W	E	I	e	r	T	N	Q	s	G	I	E	r	L	c	e	G	e	q	D	K	R

Rat Ilb	L	H	C	Y	A	S	W	P	N	S	S	G	T	I	E	L	V	K	K	G	C	W	L	D	D	F	N	C	Y	D	R	Q	E	C	V	A	T	E	E	N	P	Q	V	Y	F	C	C	E	G	N	F	C	N	E	R	F	T
Pig Ilb	L	H	C	Y	A	S	W	R	N	S	S	G	T	I	E	L	V	K	K	G	C	W	L	D	D	F	N	C	Y	D	R	Q	E	C	V	A	T	E	E	N	P	Q	V	Y	F	C	C	E	G	N	F	C	N	E	R	F	T
Mouse Ilb	L	H	C	Y	A	S	W	R	N	S	S	G	T	I	E	L	V	K	K	G	C	W	L	D	D	F	N	C	Y	D	R	Q	E	C	V	A	T	E	E	N	P	Q	V	Y	F	C	C	E	G	N	F	C	N	E	R	F	T
Human Ilb	L	H	C	Y	A	S	W	R	N	S	S	G	T	I	E	L	V	K	K	G	C	W	L	D	D	F	N	C	Y	D	R	Q	E	C	V	A	T	E	E	N	P	Q	V	Y	F	C	C	E	G	N	F	C	N	E	R	F	T
Bovine Ilb	L	H	C	Y	A	S	W	R	N	S	S	G	T	I	E	L	V	K	K	G	C	W	L	D	D	F	N	C	Y	D	R	Q	E	C	V	A	T	E	E	N	P	Q	V	Y	F	C	C	E	G	N	F	C	N	E	R	F	T
Xenopus Ilb	L	H	C	Y	A	S	W	R	N	S	G	F	I	E	L	V	K	K	G	C	W	L	D	D	F	N	C	Y	D	R	Q	E	C	V	A	T	E	E	N	P	Q	V	Y	F	C	C	E	G	N	F	C	N	E	R	F	T	
Human IIA	R	H	C	F	A	T	W	K	N	I	S	G	S	I	E	I	V	K	Q	G	C	W	L	D	D	I	N	C	Y	D	R	T	D	C	V	E	K	K	D	S	P	E	V	Y	F	C	C	E	G	N	M	C	N	E	K	F	S
Consensus	I	H	C	y	A	s	w	r	N	s	S	G	t	I	E	I	V	K	k	G	C	W	L	D	D	f	N	C	Y	D	R	q	e	C	v	a	t	e	n	P	q	V	y	F	C	C	E	G	n	f	C	N	e	r	F	t	

Rat Ilb	H	L	P	E	P	G	G	P	E	V	T	Y	E	P	-	P	P	T	A	P	T	L	L	T	V	L	A	Y	S	L	L	P	I	G	G	L	S	-
Pig Ilb	H	L	P	E	A	G	G	P	E	V	T	Y	E	P	-	P	P	T	A	P	T	L	L	T	V	L	A	Y	S	L	L	P	I	G	G	L	S	-
Mouse Ilb	H	L	P	E	P	G	G	P	E	V	T	Y	E	P	-	P	P	T	A	P	T	L	L	T	V	L	A	Y	S	L	L	P	I	G	G	L	S	-
Human Ilb	H	L	P	E	A	G	G	P	E	V	T	Y	E	P	-	P	P	T	A	P	T	L	L	T	V	L	A	Y	S	L	L	P	I	G	G	L	S	-
Bovine Ilb	H	L	P	E	A	G	G	P	E	V	T	Y	E	P	-	P	P	T	A	P	T	L	L	T	V	L	A	Y	S	L	L	P	V	G	G	L	S	-
Xenopus Ilb	H	L	P	E	V	-	-	-	E	T	F	D	P	K	P	Q	P	S	A	S	V	L	N	I	L	I	Y	S	L	L	P	I	V	G	L	S	M	
Human IIA	Y	F	P	E	M	E	V	T	Q	P	T	S	N	P	-	V	T	P	K	P	P	Y	N	I	L	L	Y	S	L	V	P	L	M	L	I	-		
Consensus	h	I	P	E	X	g	g	p	e	v	T	y	e	P	K	p	p	t	a	p	t	I	I	t	v	L	a	Y	S	L	I	P	i	g	I	S	M	

FIGURE 4

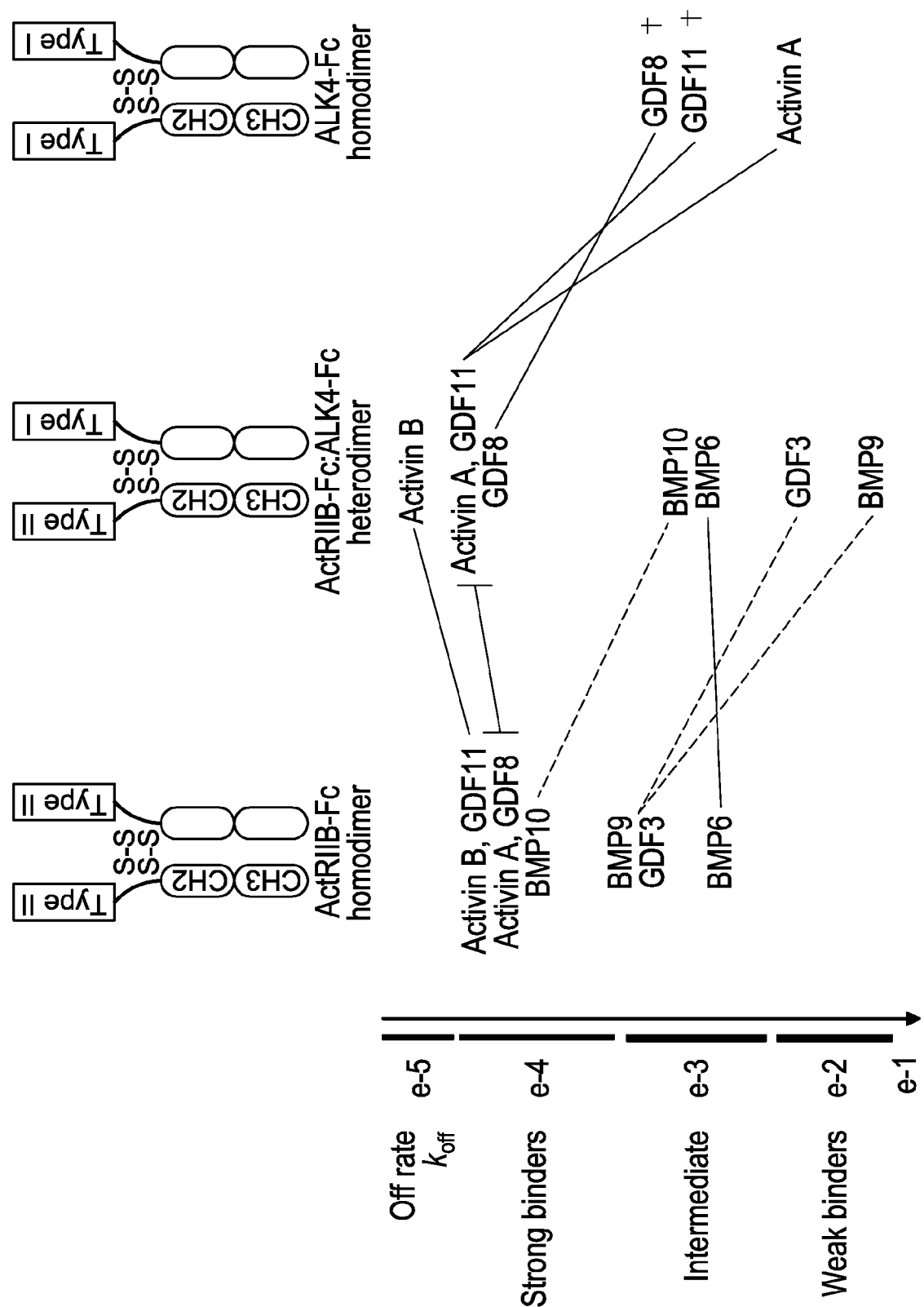


FIGURE 6

7/31

	10	20	30	40	50
Human	S G P R G V Q A L L C A C T S C L Q A N Y T C E T D G A C M V S I F N L D G M E H H V R T C I P K V				
Mole	S G P R G I Q A L L C A C T S C L Q A N L T C E T D G A C M V S I F N L D G L E H H V R T C I P K V				
Hedgehog	S G P R G I Q A L L C A C T S C L Q T N Y T C E T D G A C M V S I F N L D G M E H H V R T C I P K V				
Chicken	- A P G G A R A L T C L C S D C K Q A N S T C E T D G A C M V S V F N L D G V K H H V R T C I P E A				
Mouse	S G P R G I Q A L L C A C T S C L Q T N Y T C E T D G A C M V S I F N L D G V E H H V R T C I P K V				
Pig	S G P R G I Q A L L C A C T S C L Q A N Y T C E T D G A C M V S I F N L D G M E H H V R T C I P K V				
Ras	S G P R G I Q A L L C A C T S C L Q T N Y T C E T D G A C M V S I F N L D G M E H H V R T C I P K V				
	60	70	80	90	100
Human	E L V P A G K P F Y C L S S E D L R N T H C C Y T D Y C N R I D L R V P S G H L K E P E H P S M W G				
Mole	E L V P A G K P F Y C L S S E D L R N T H C C Y T D F C N K I D L R V P S G H V K E P E R P S V W G				
Hedgehog	E L V P A G K P F Y C L S S E D L R N T H C C Y T D F C N R I D L R V P S G H P K E S E Q A S M W G				
Chicken	K L I P A G K P F Y C L S S E D L R N T H C C Y S D F C N K I D L M V P S G H L K D N E P P S S W G				
Mouse	E L V P A G K P F Y C L S S E D L R N T H C C Y I D F C N K I D L R V P S G H L K E P A H P S M W G				
Pig	E L V P A G K P F Y C L S S E D L R N T H C C Y T D F C N K I D L R V P S G H L K E P E H P S M W G				
Ras	E L V P A G K P F Y C L S S E D L R N T H C C Y I D F C N K I D L R V P S G H L K E P E H P S M W G				
Human	P V E				
Mole	P V E				
Hedgehog	P V E				
Chicken	P V E				
Mouse	P V E				
Pig	P V E				
Ras	P V E				

FIGURE 7

8/31

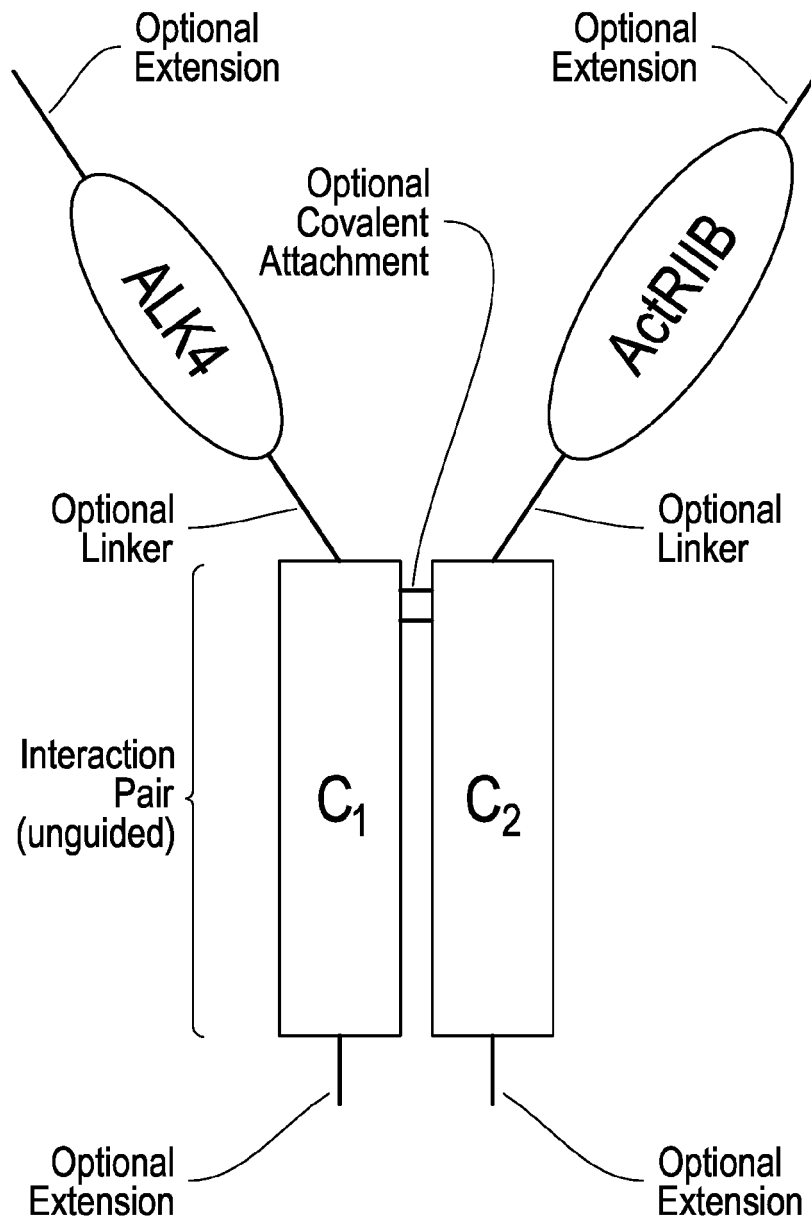


FIGURE 8A

9/31

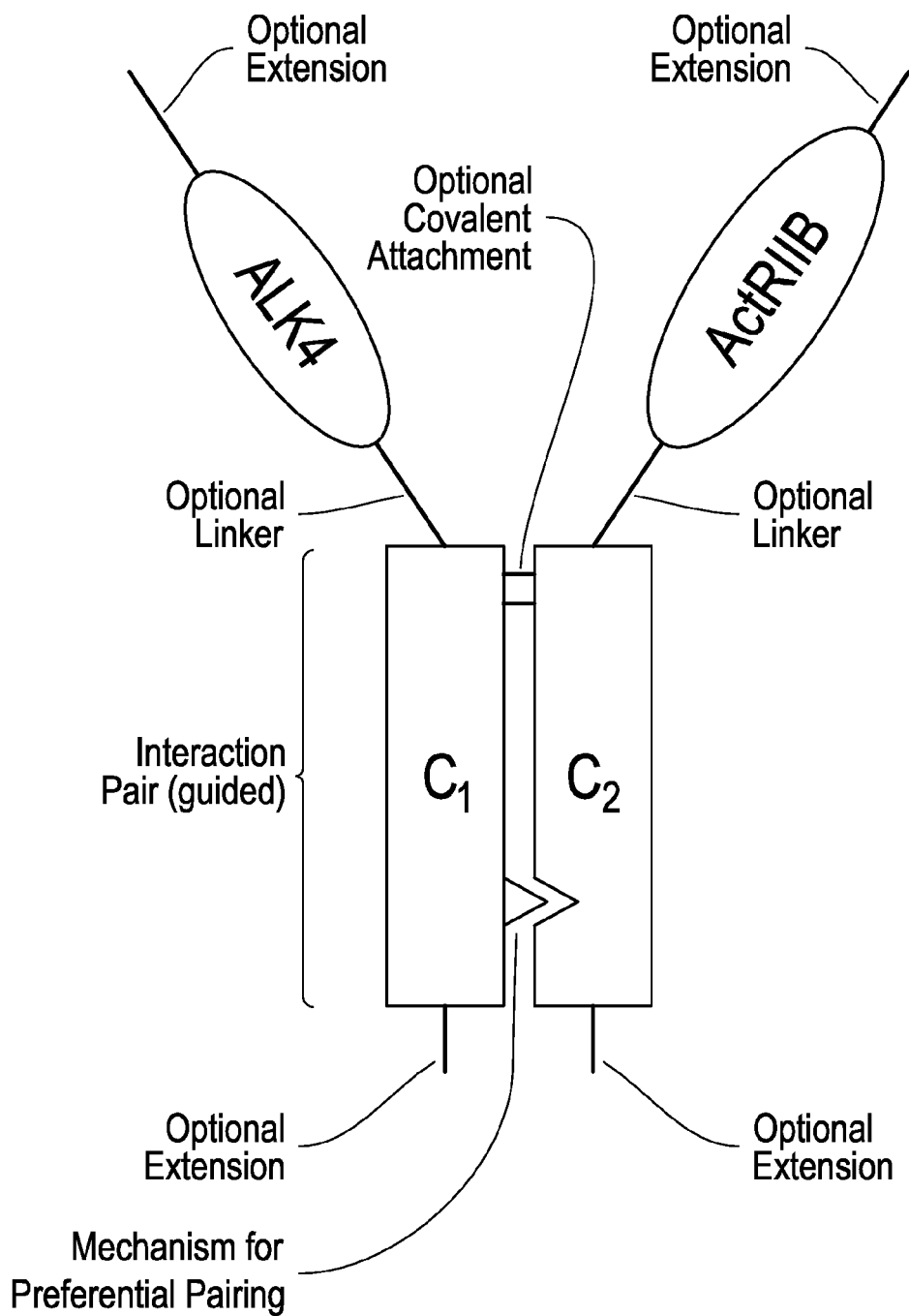


FIGURE 8B

10/31

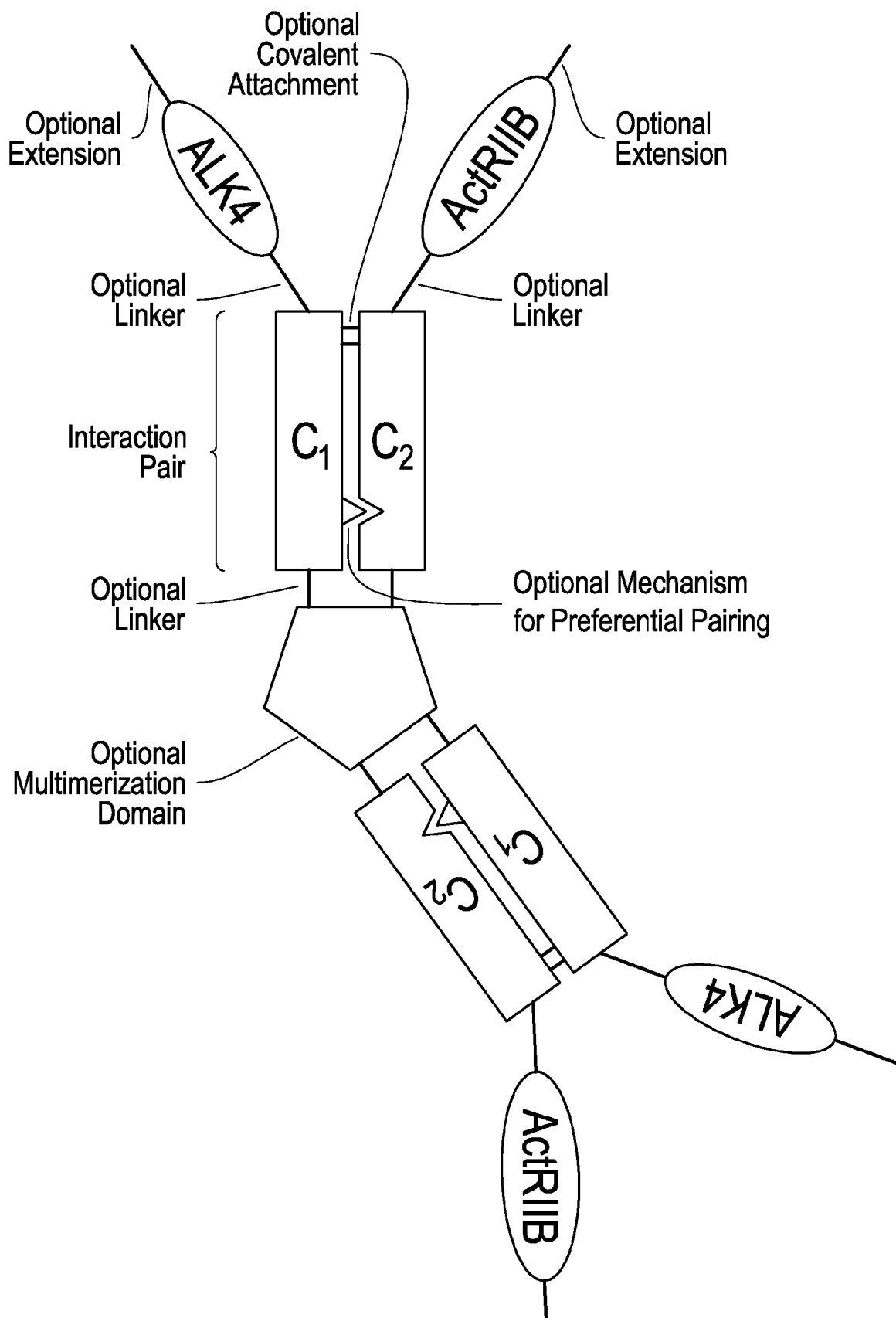


FIGURE 8C

11/31

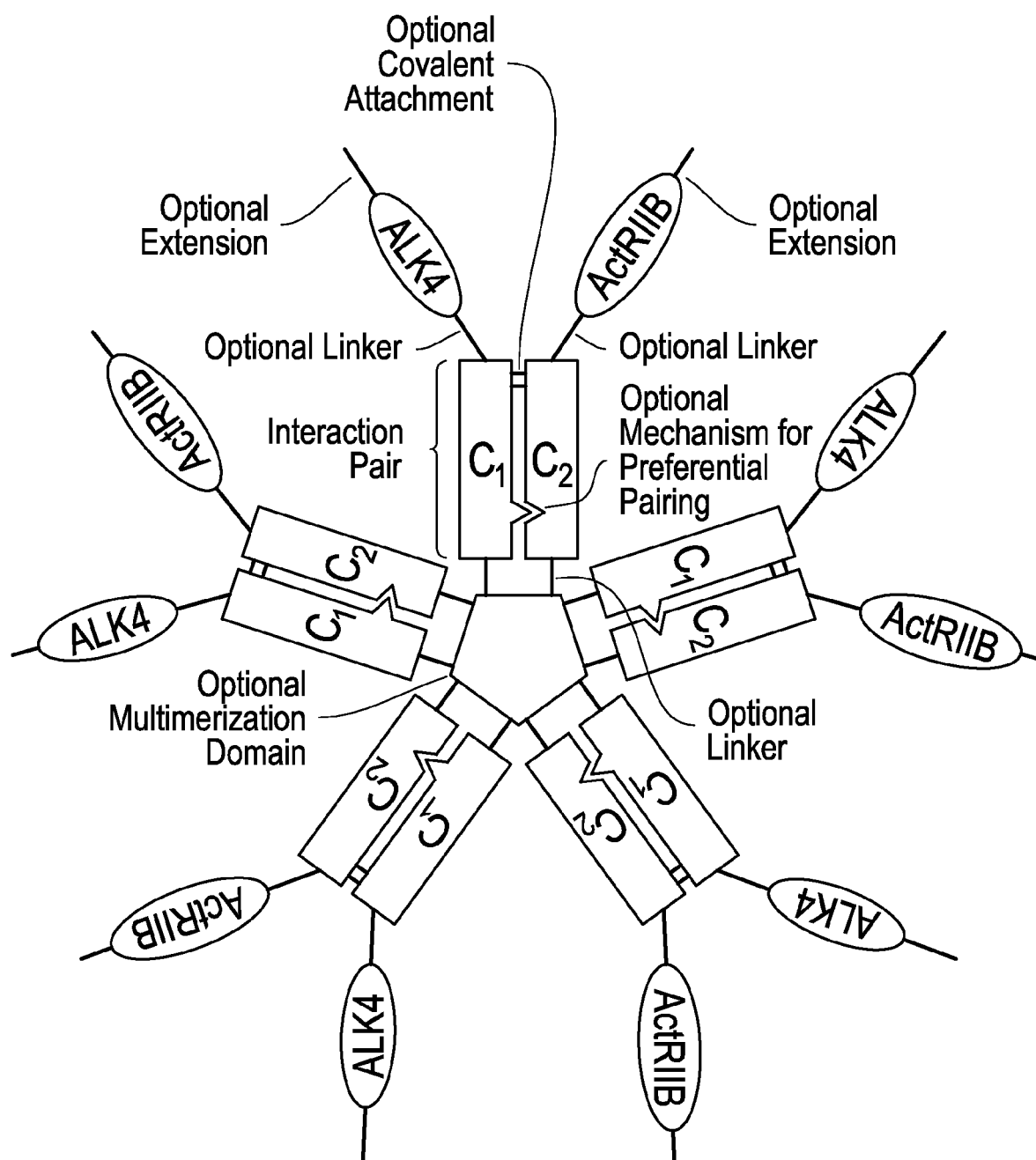


FIGURE 8D

12/31

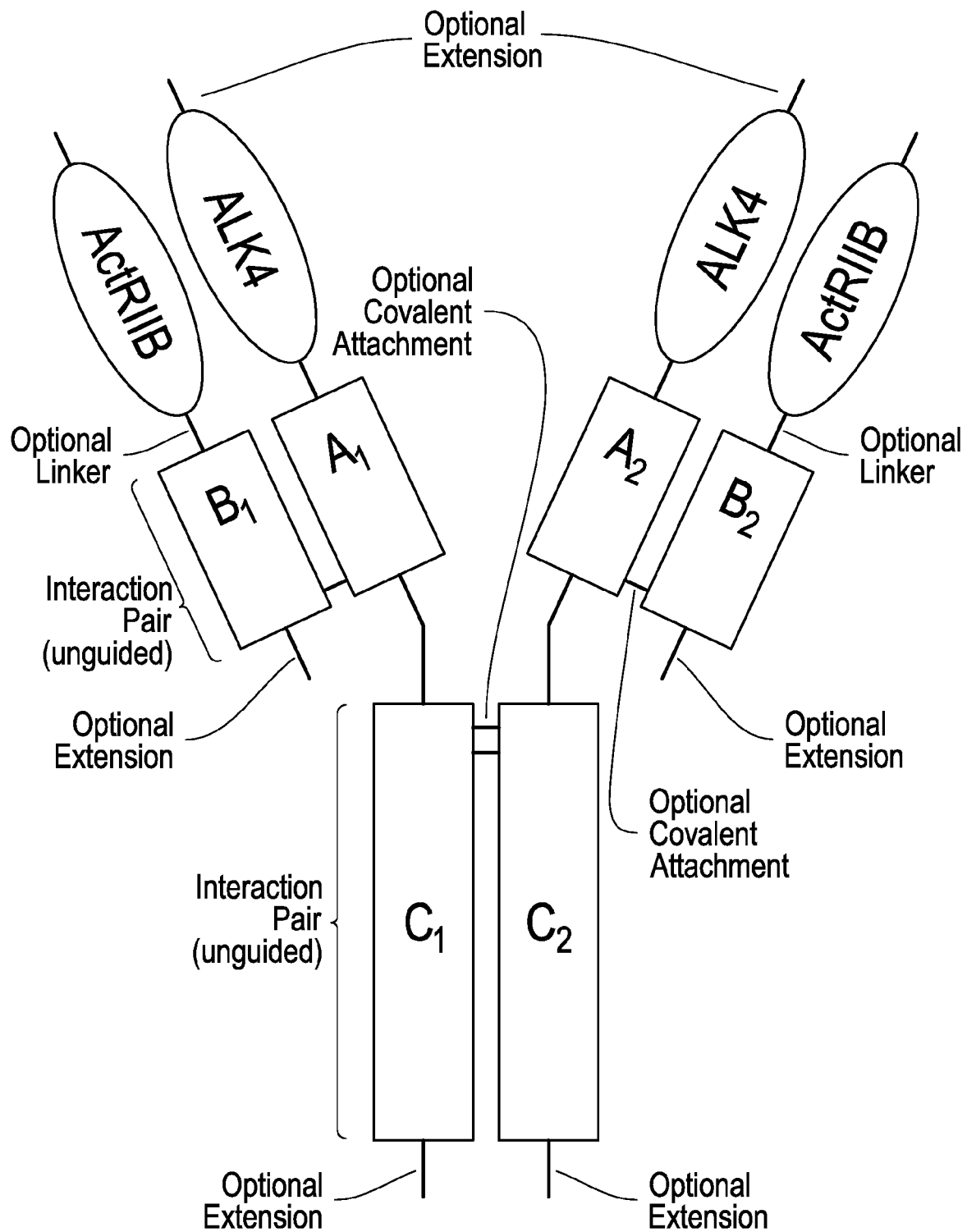


FIGURE 9A

13/31

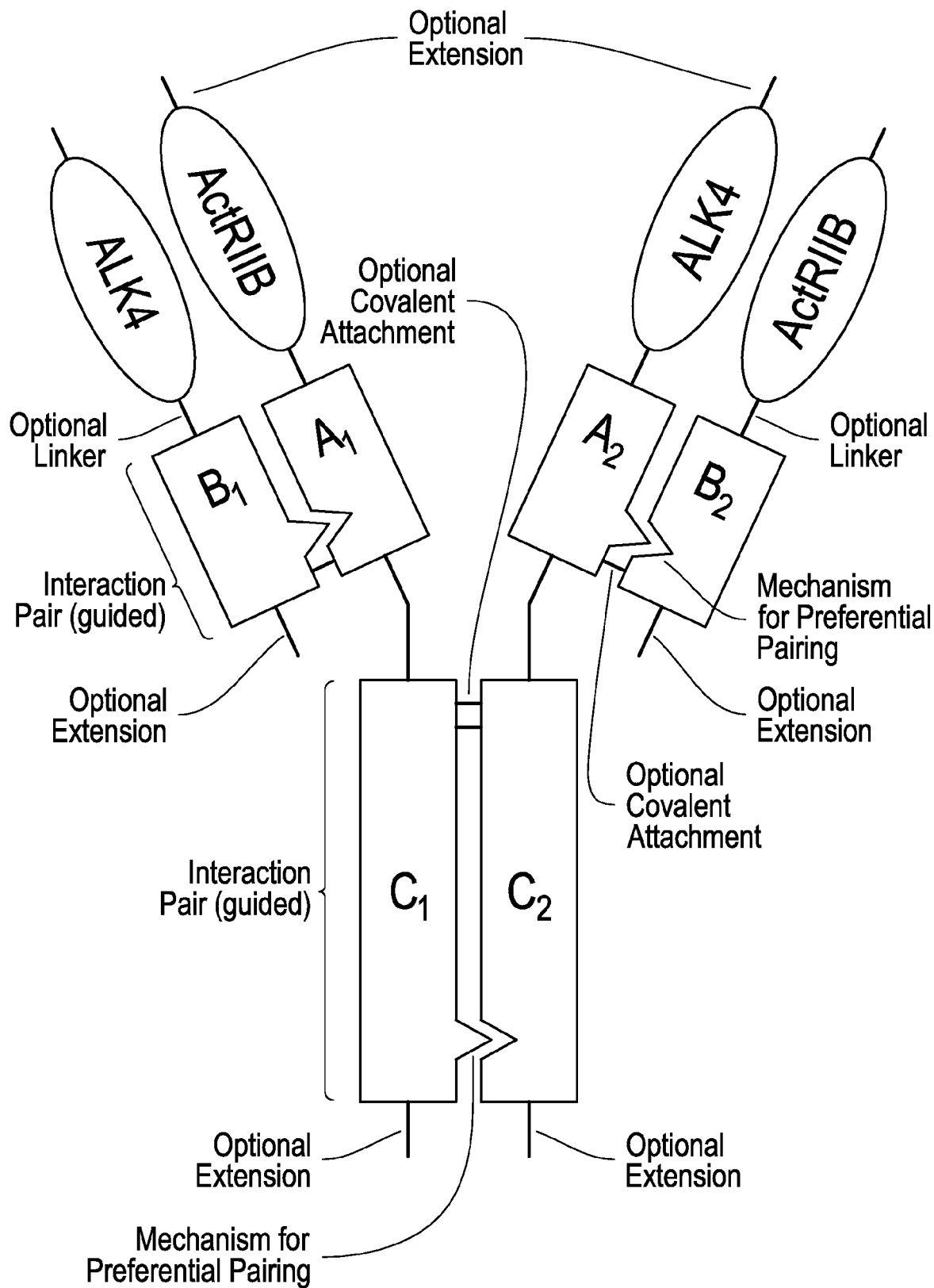


FIGURE 9B

14/31

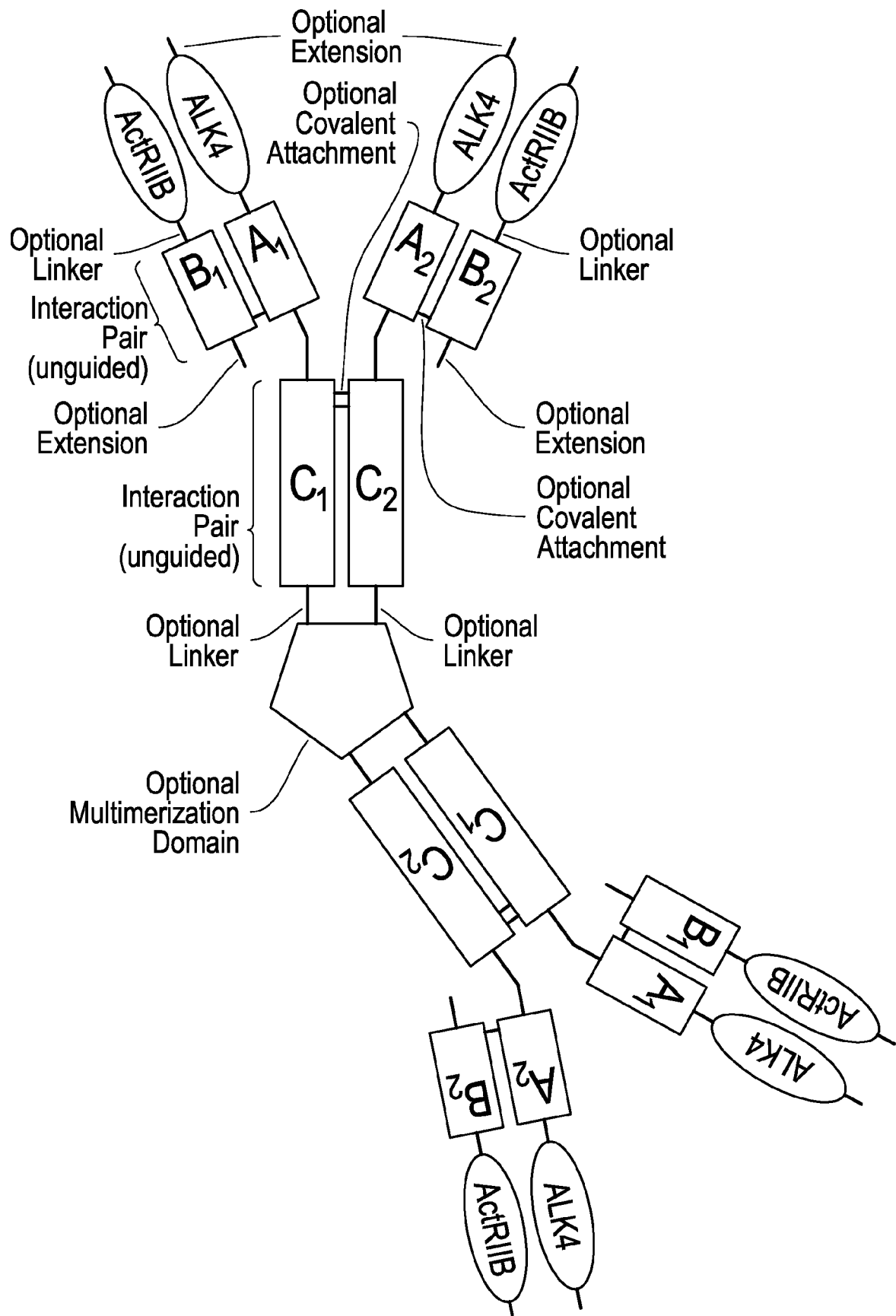


FIGURE 9C

15/31

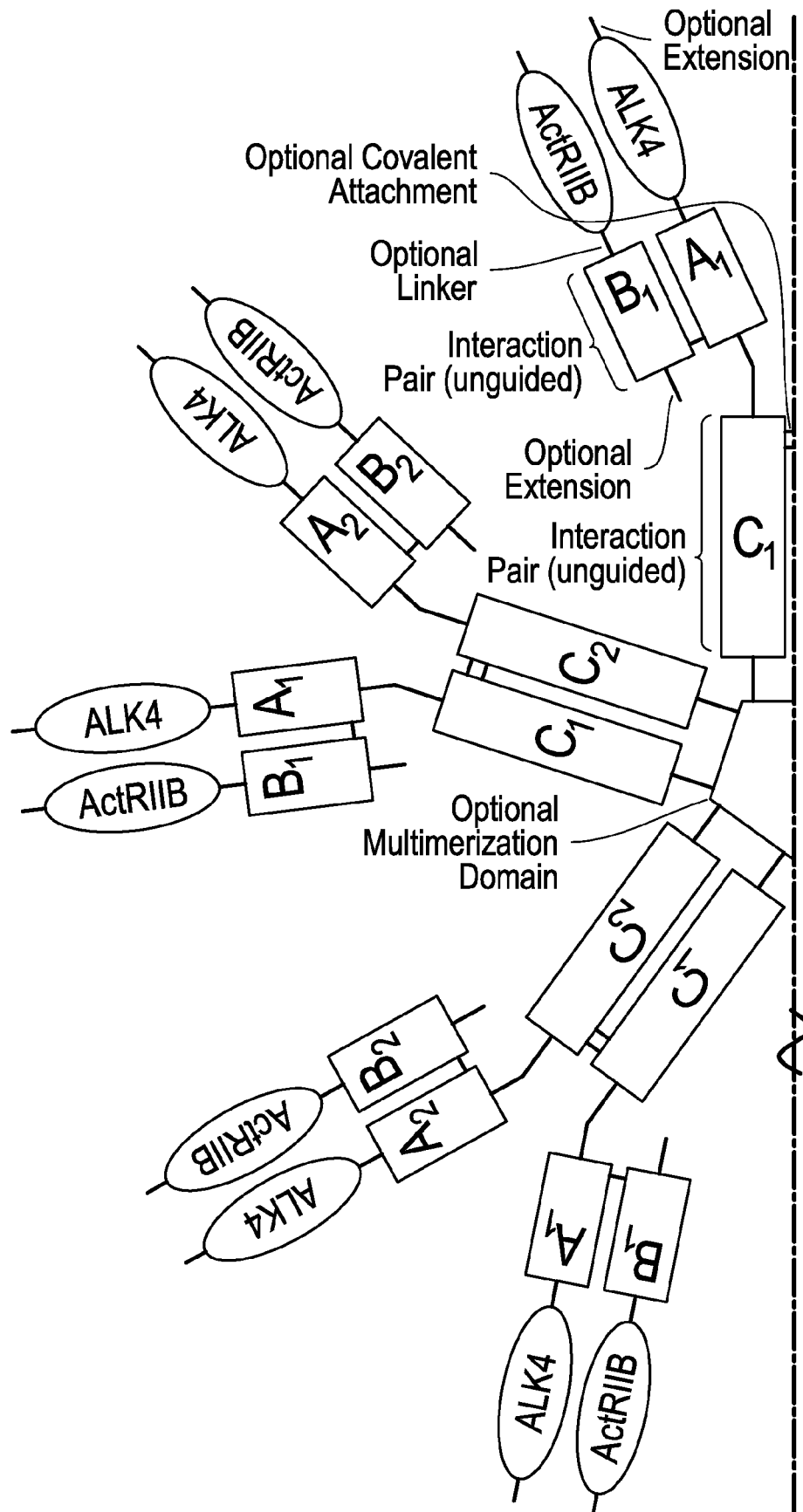


FIGURE 9D (part 1)

16/31

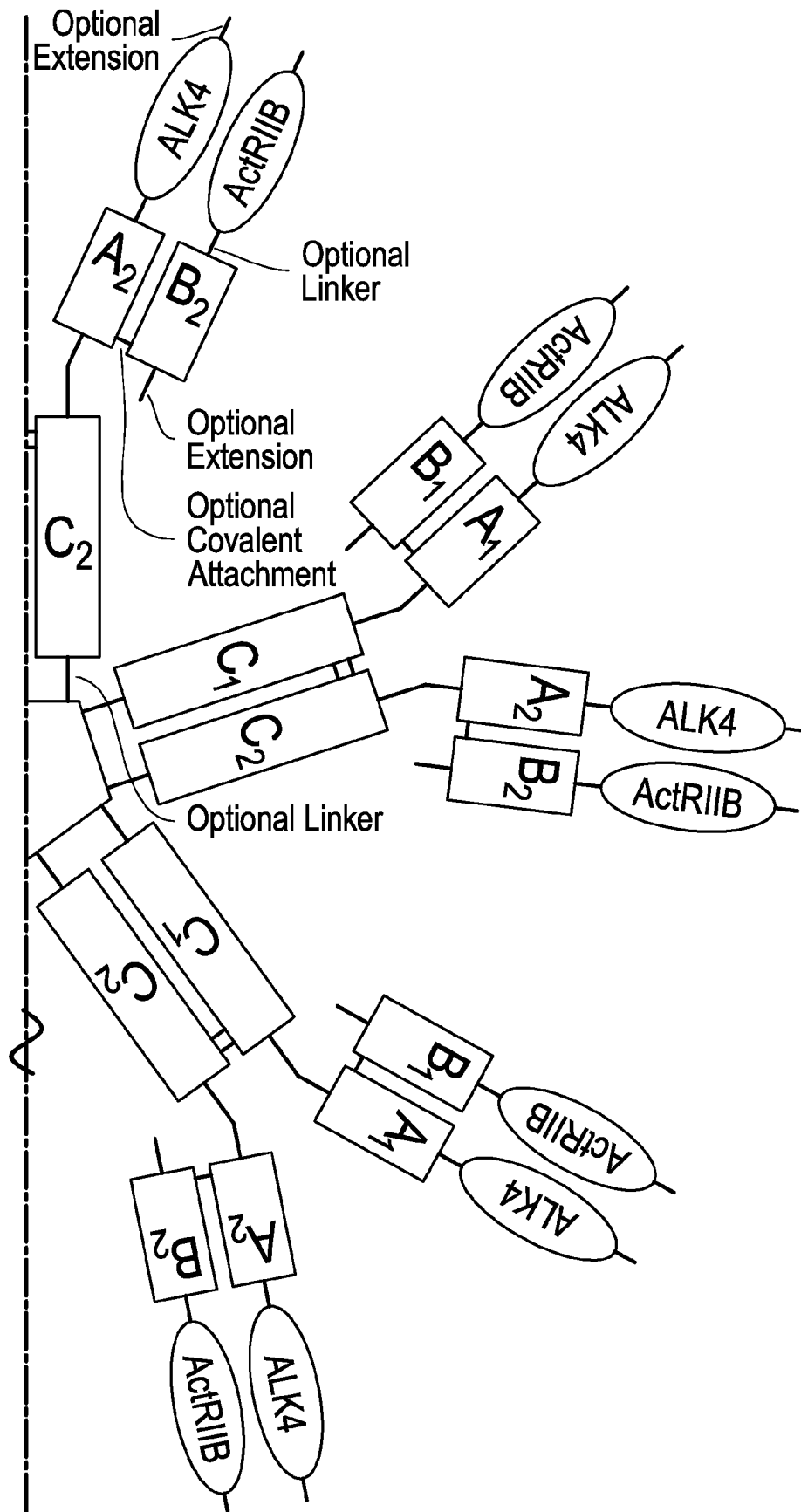


FIGURE 9D (part 2)

17/31

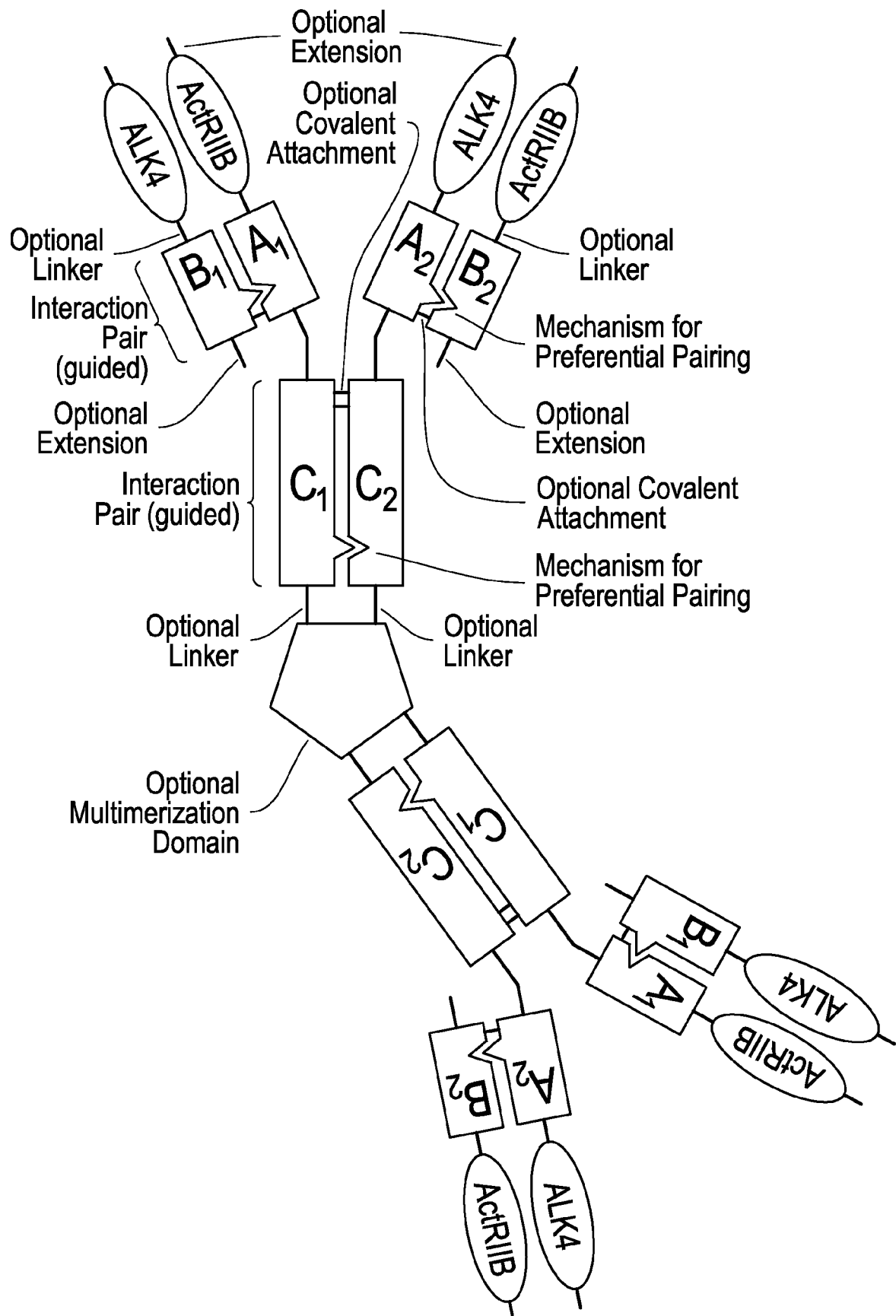


FIGURE 9E

18/31

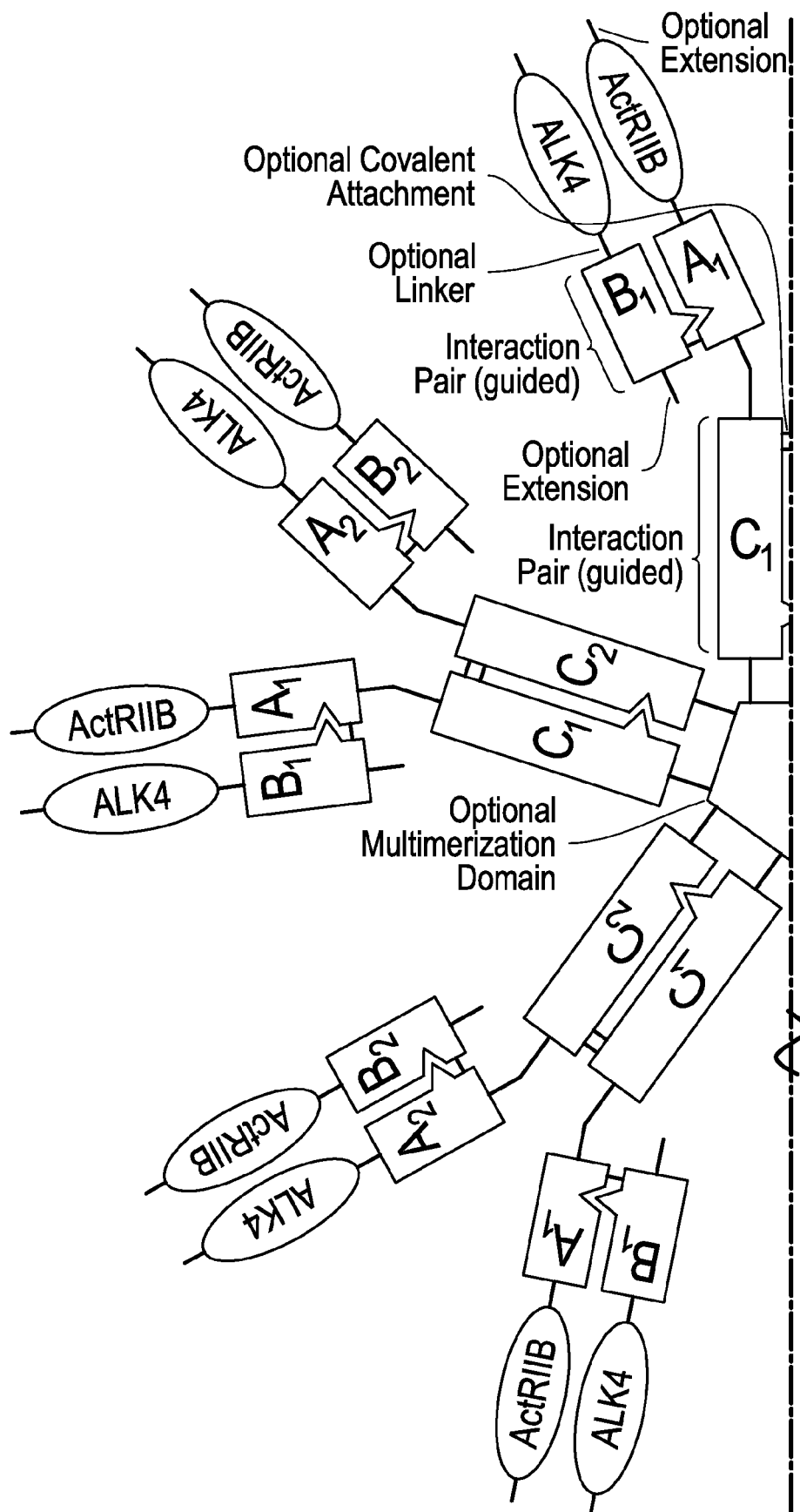


FIGURE 9F (part 1)

19/31

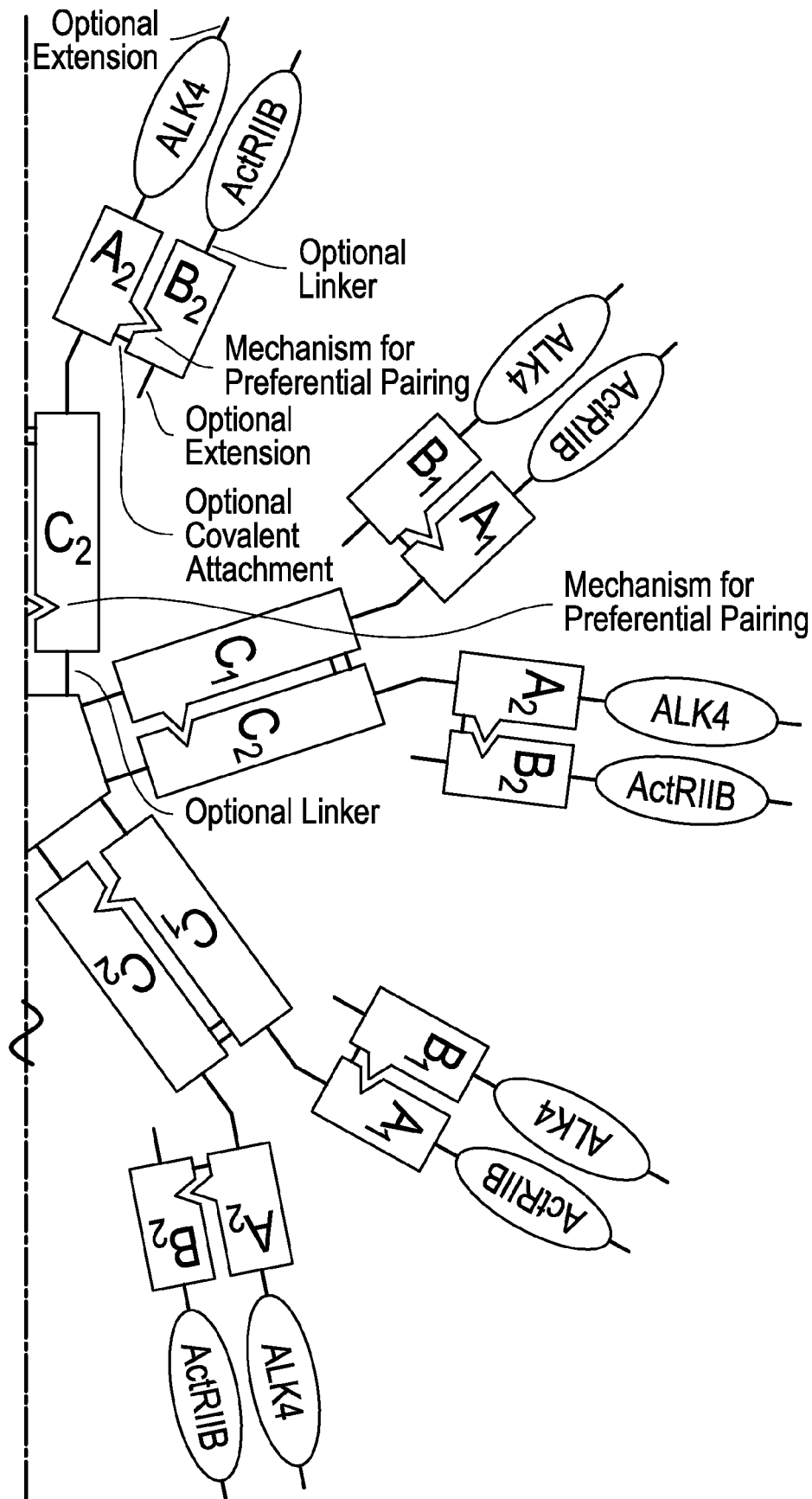


FIGURE 9F (part 2)

20/31

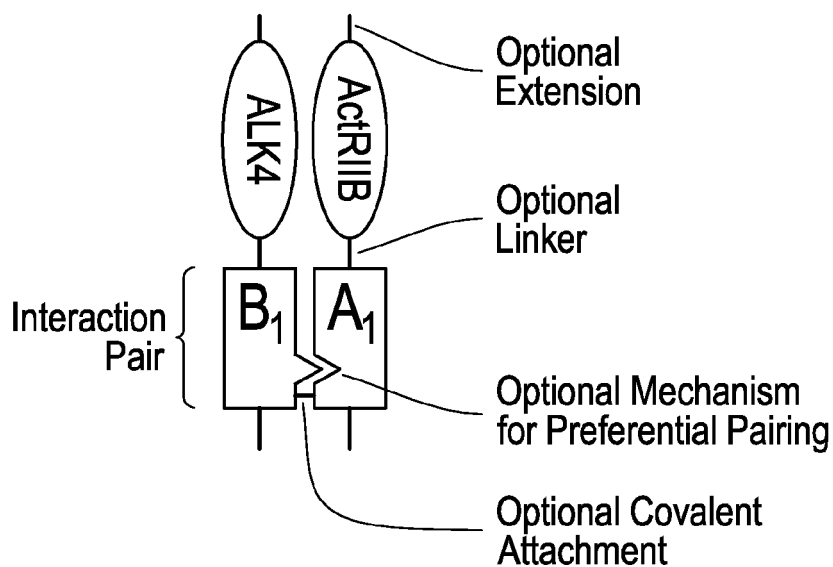
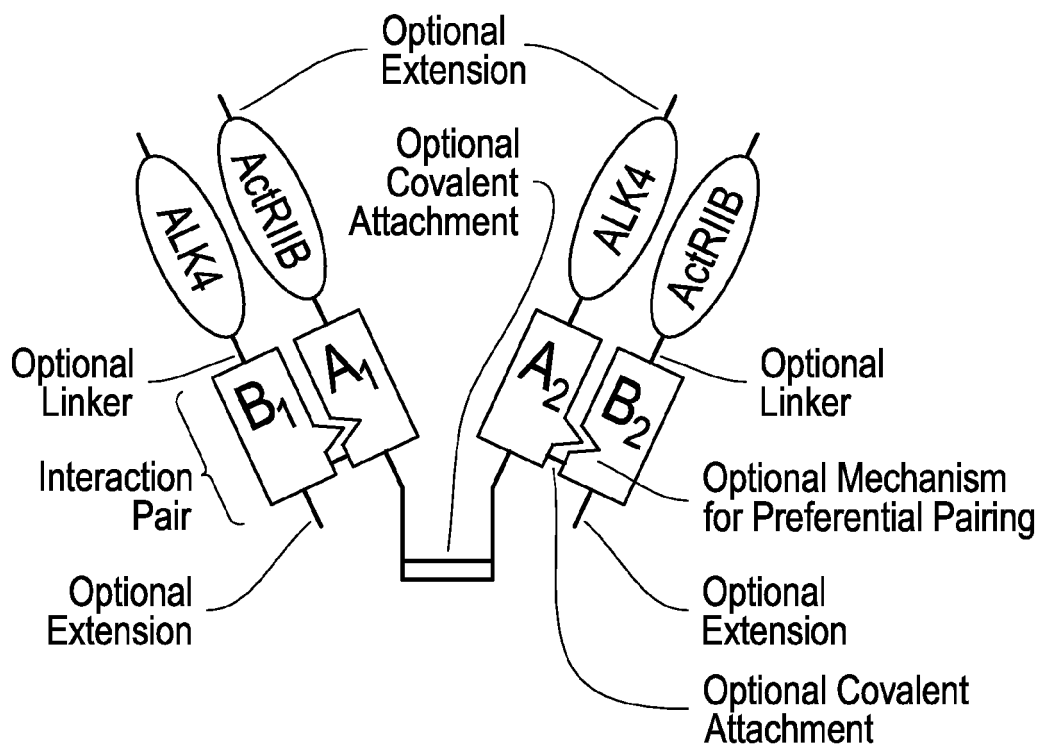


FIGURE 9G

21/31

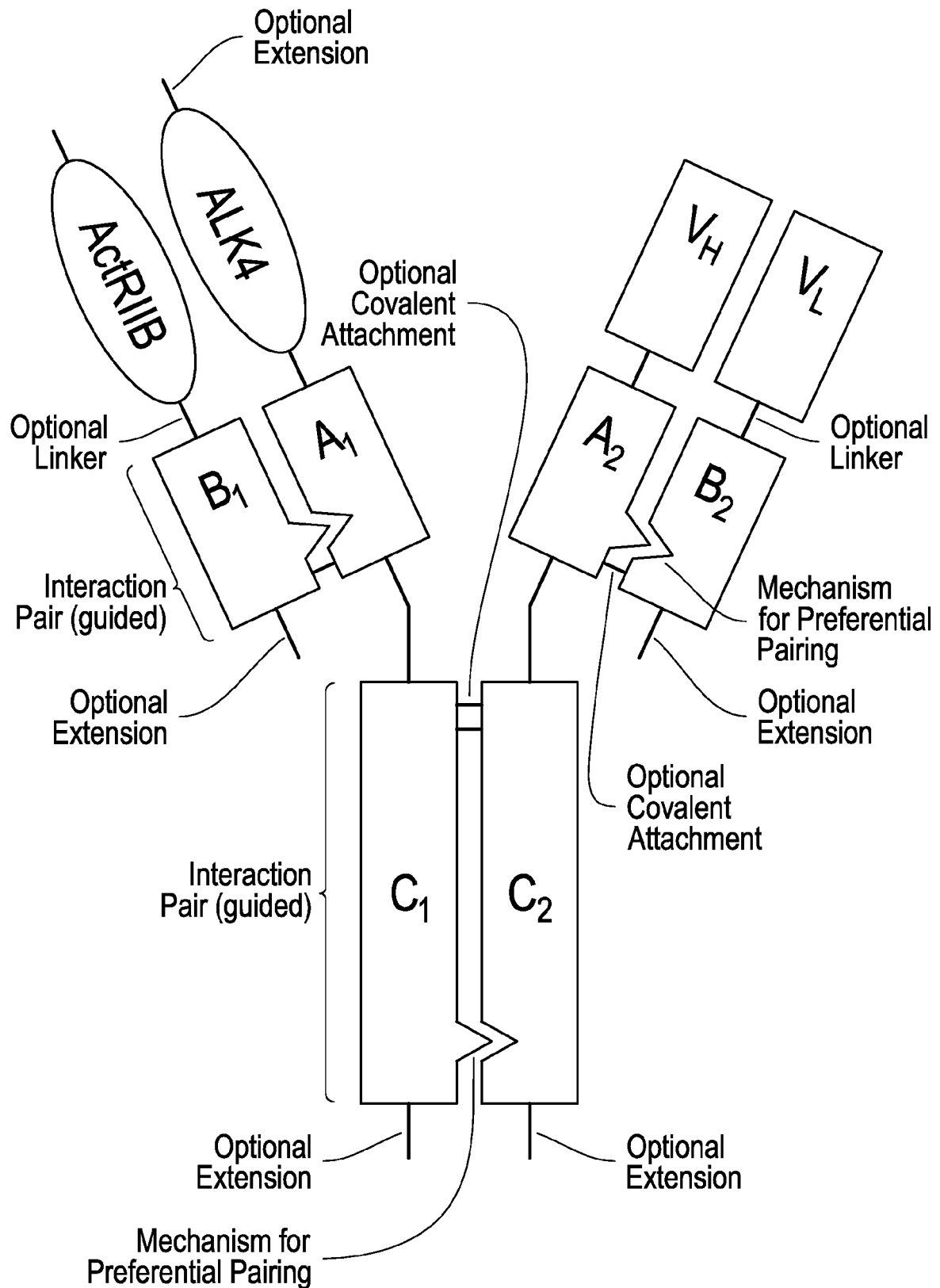


FIGURE 10A

22/31

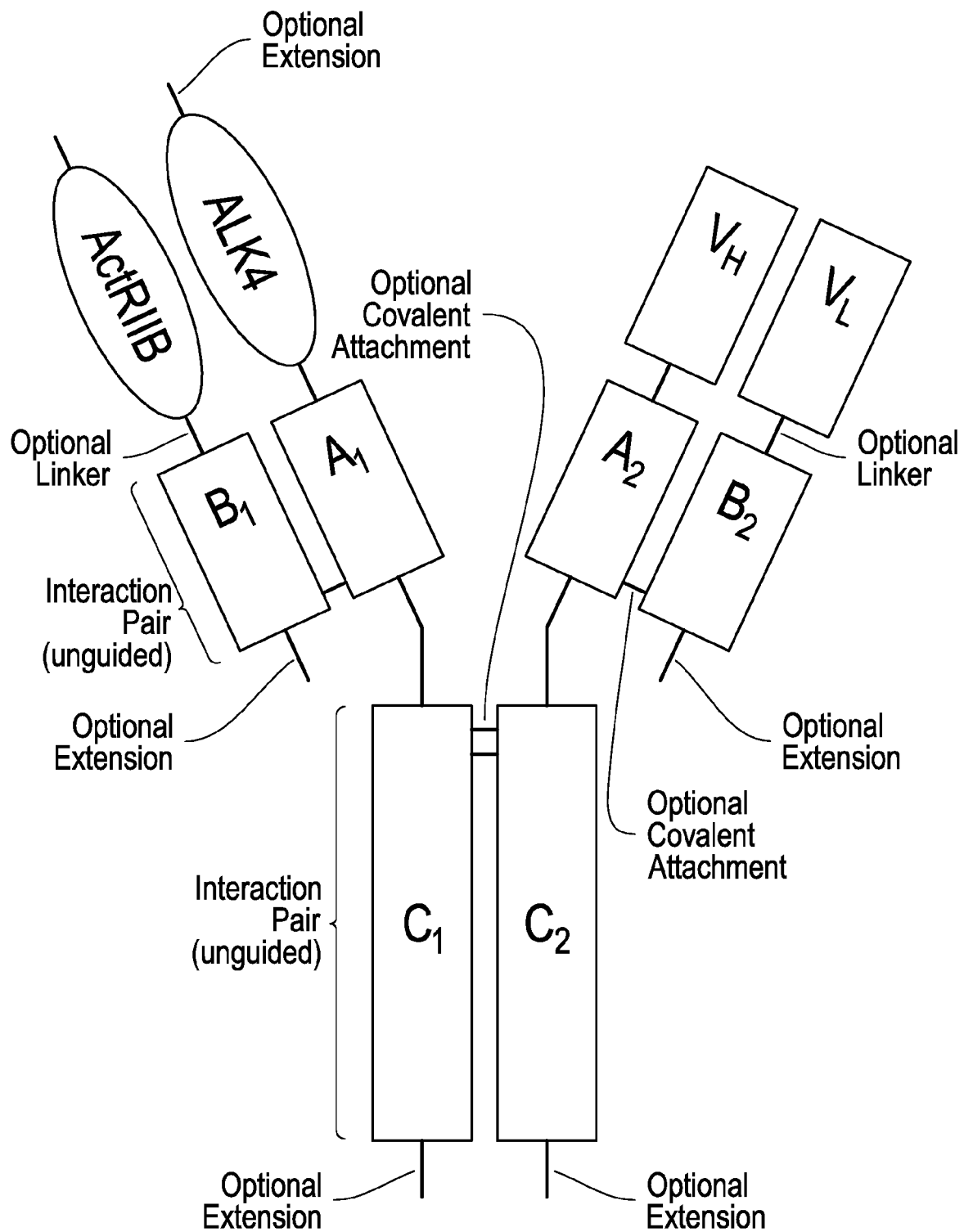


FIGURE 10B

23/31

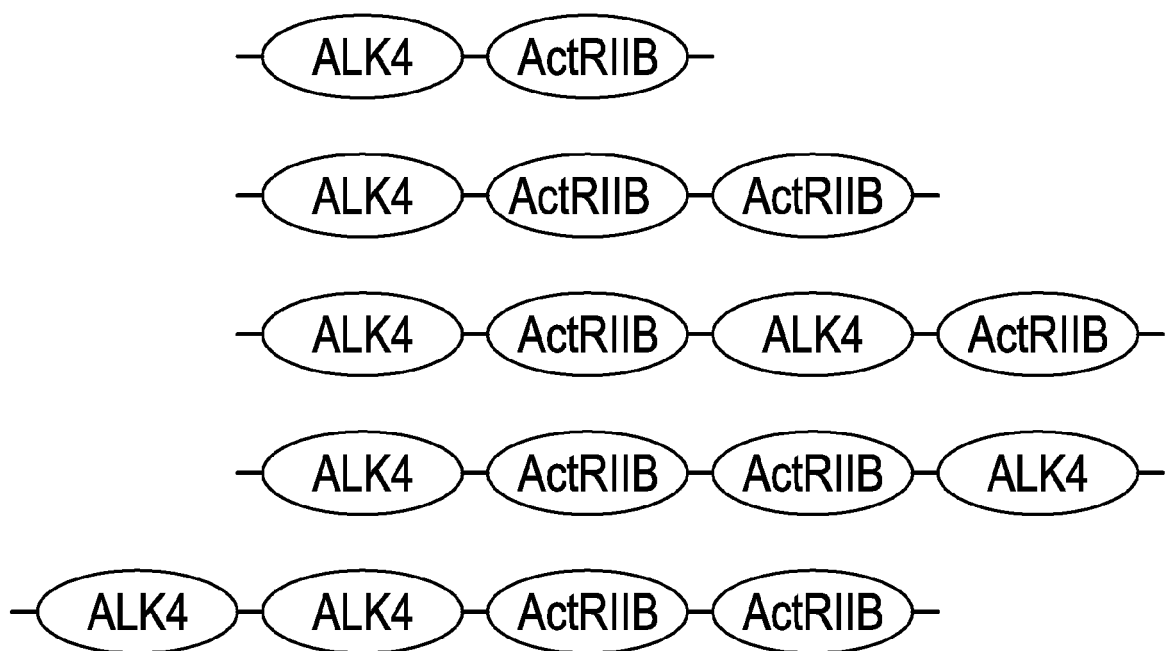


FIGURE 11

24/31

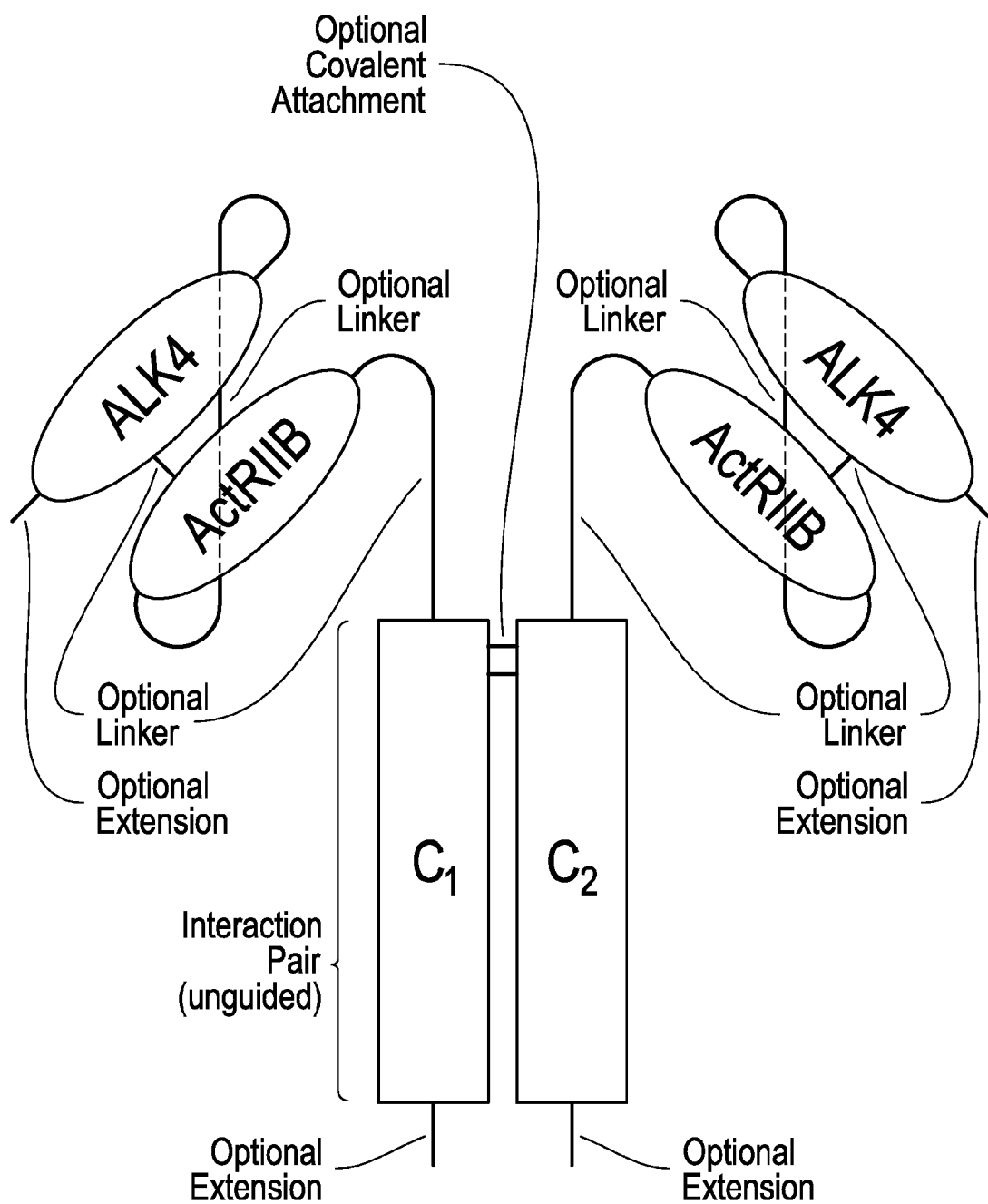


FIGURE 12A

25/31

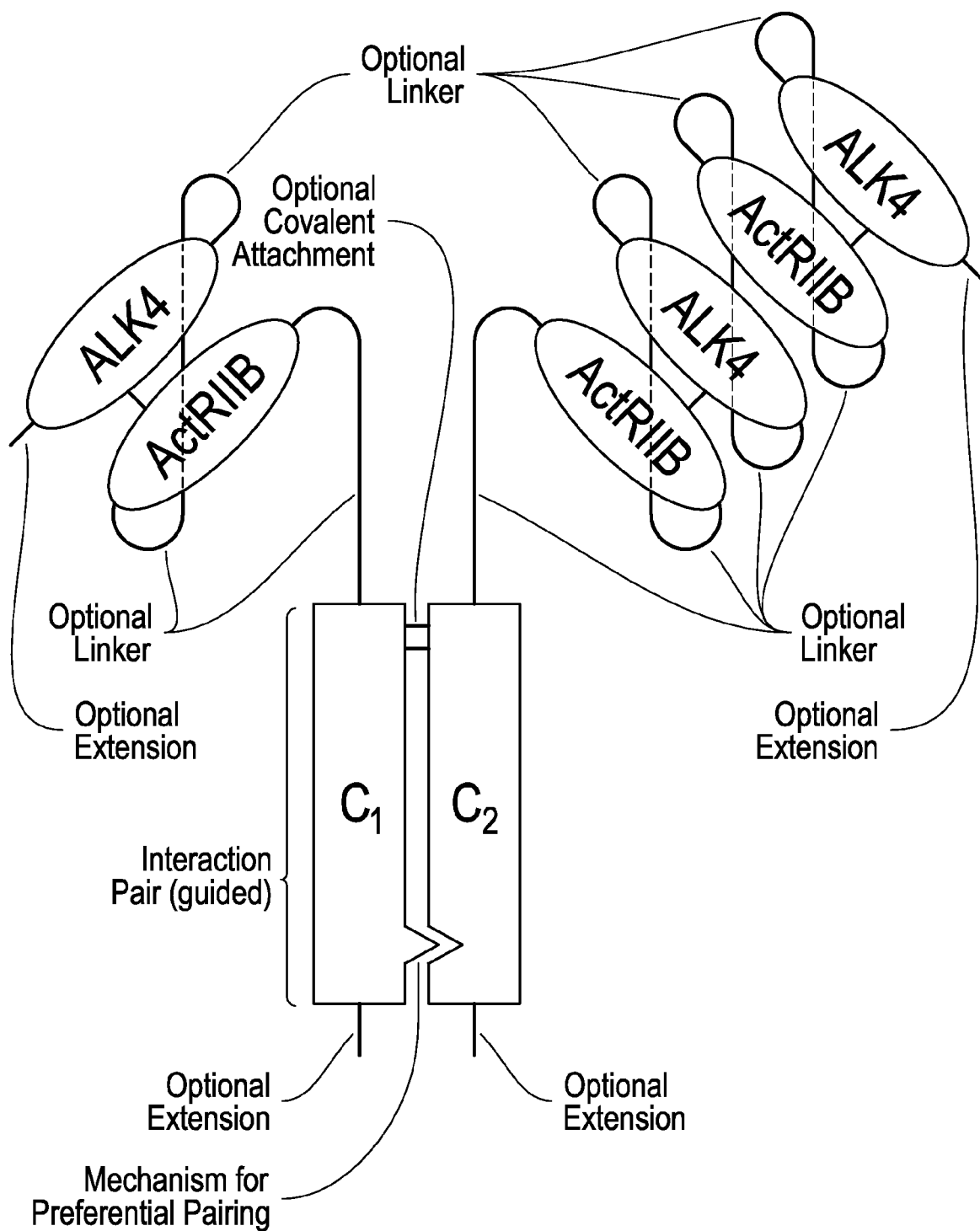


FIGURE 12B

26/31

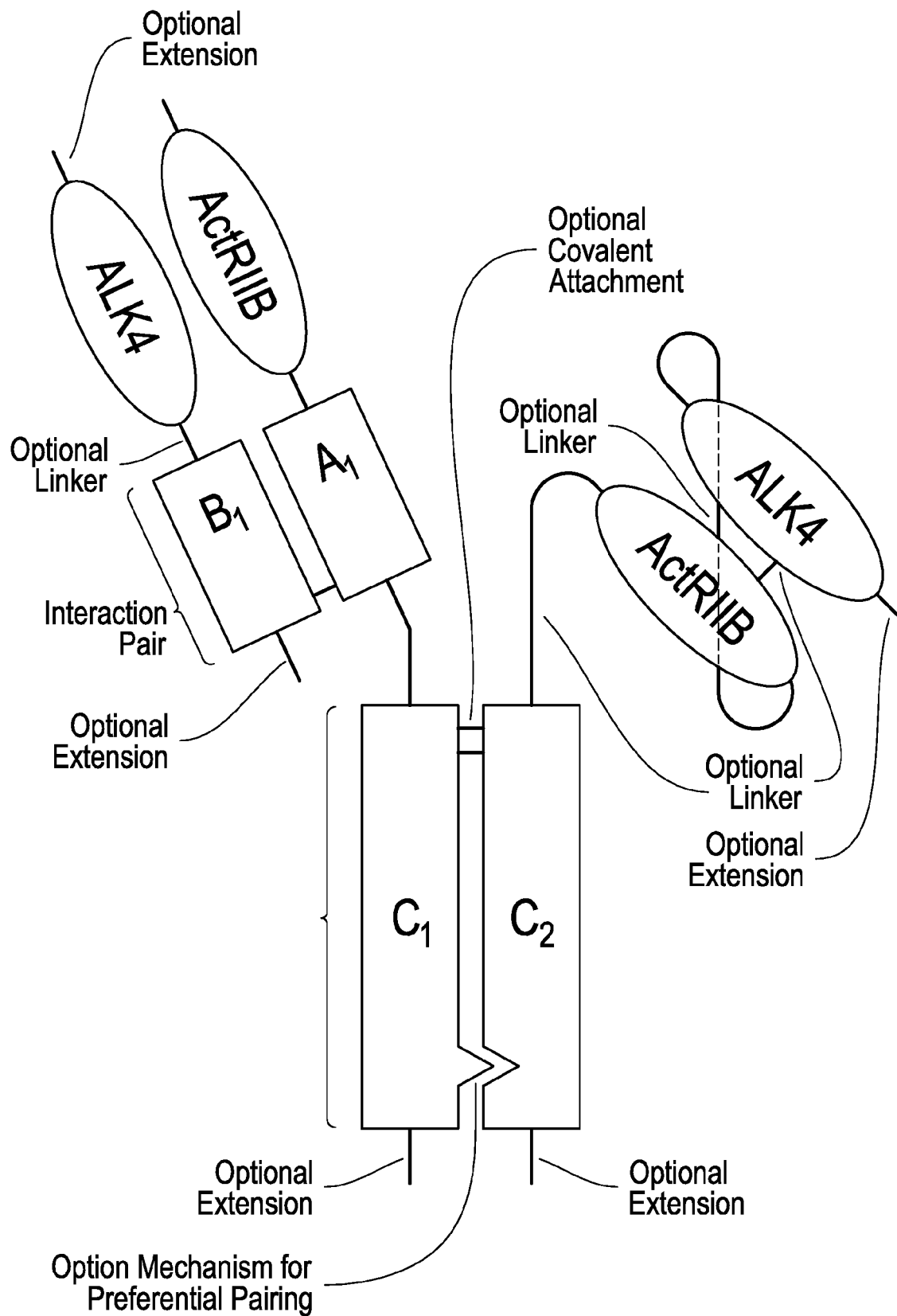


FIGURE 12C

27/31

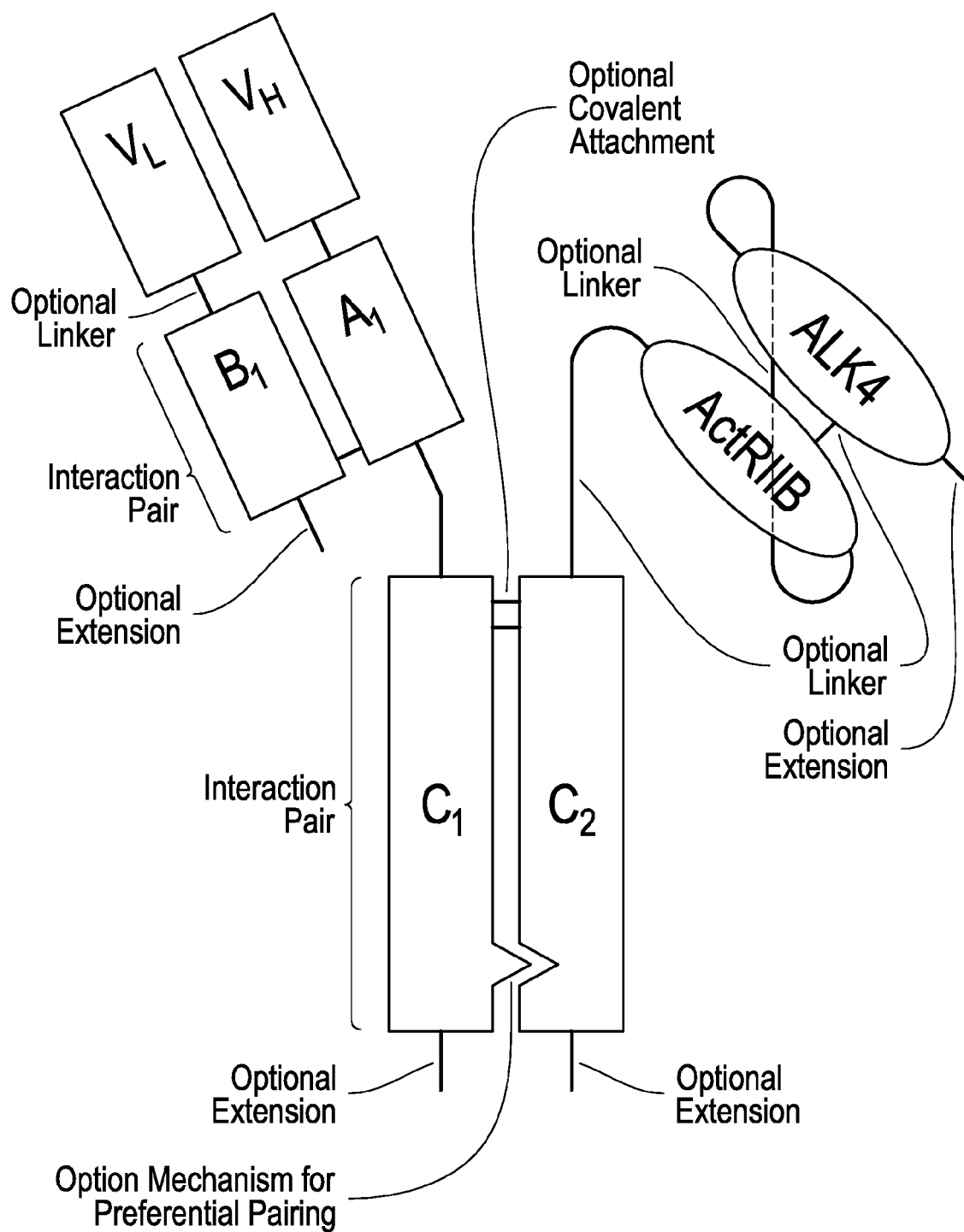


FIGURE 12D

28/31

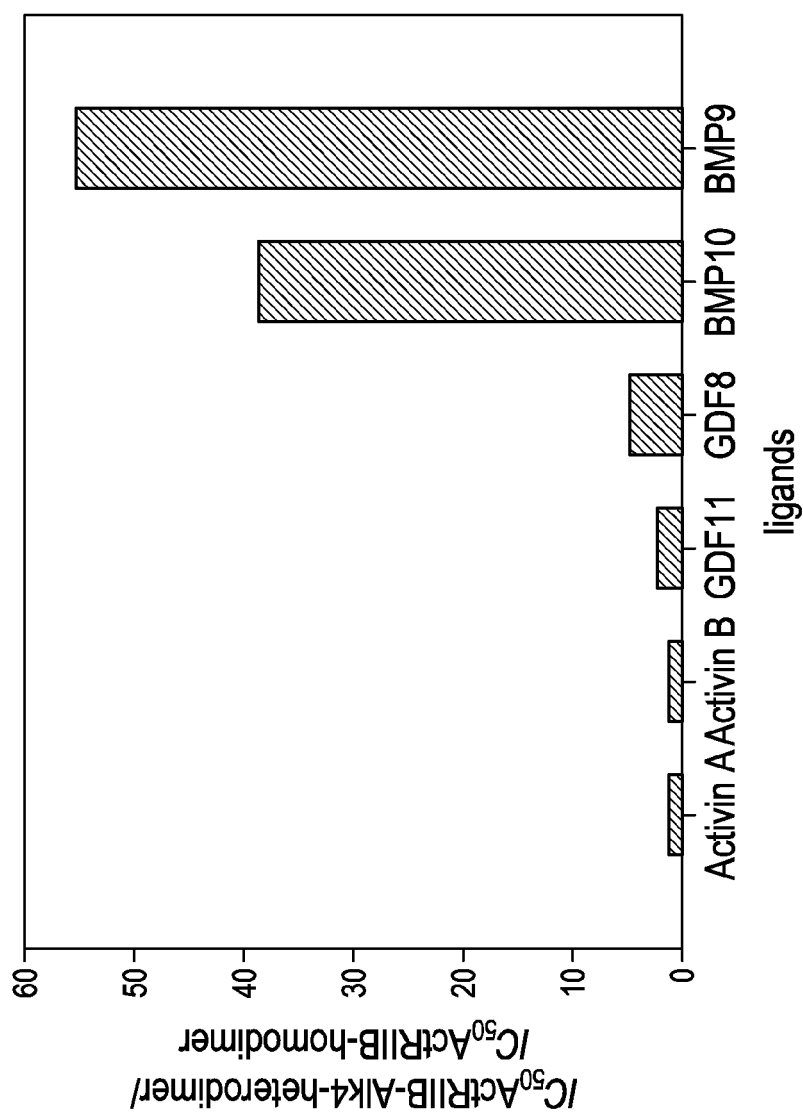


FIGURE 13

29/31

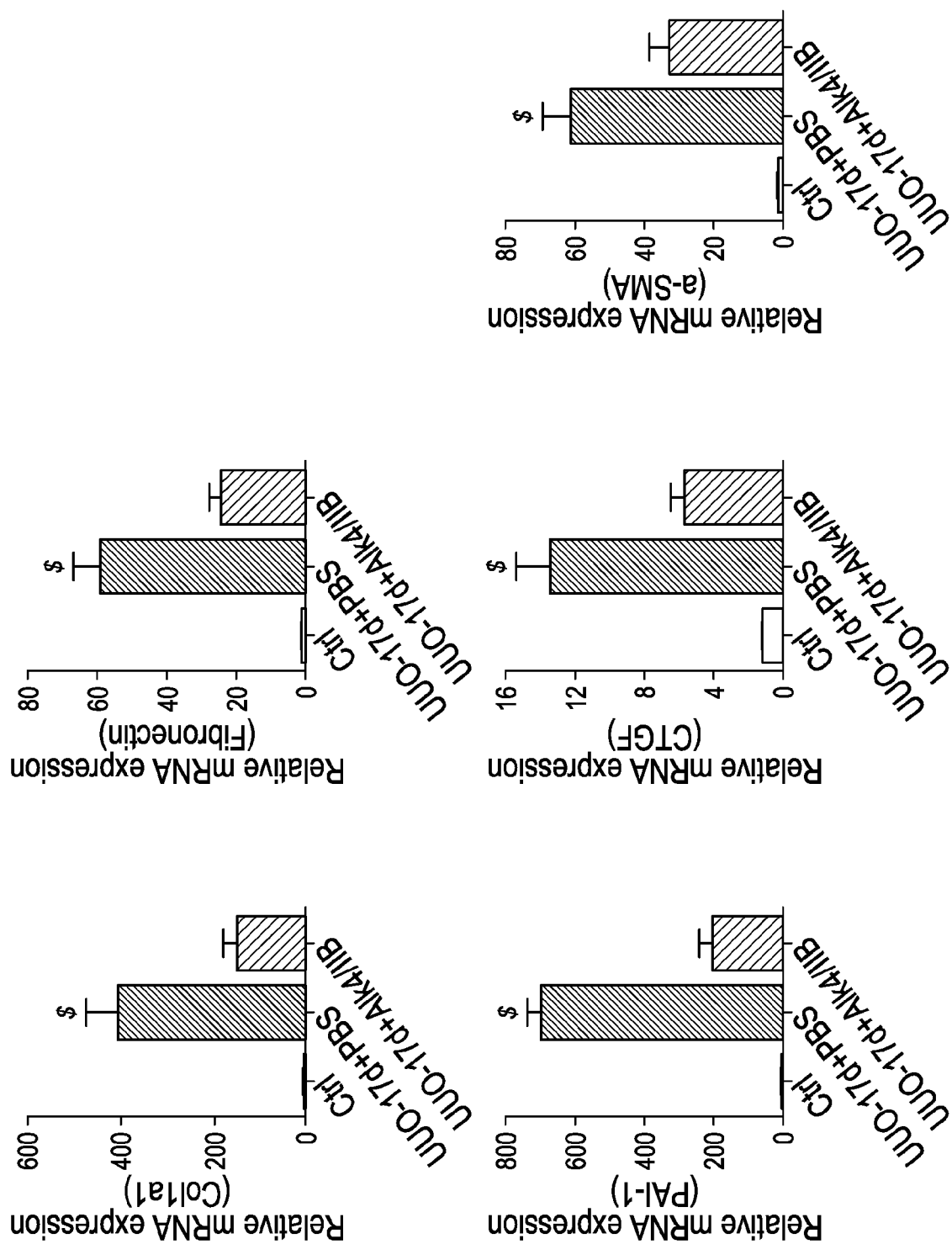


FIGURE 14A

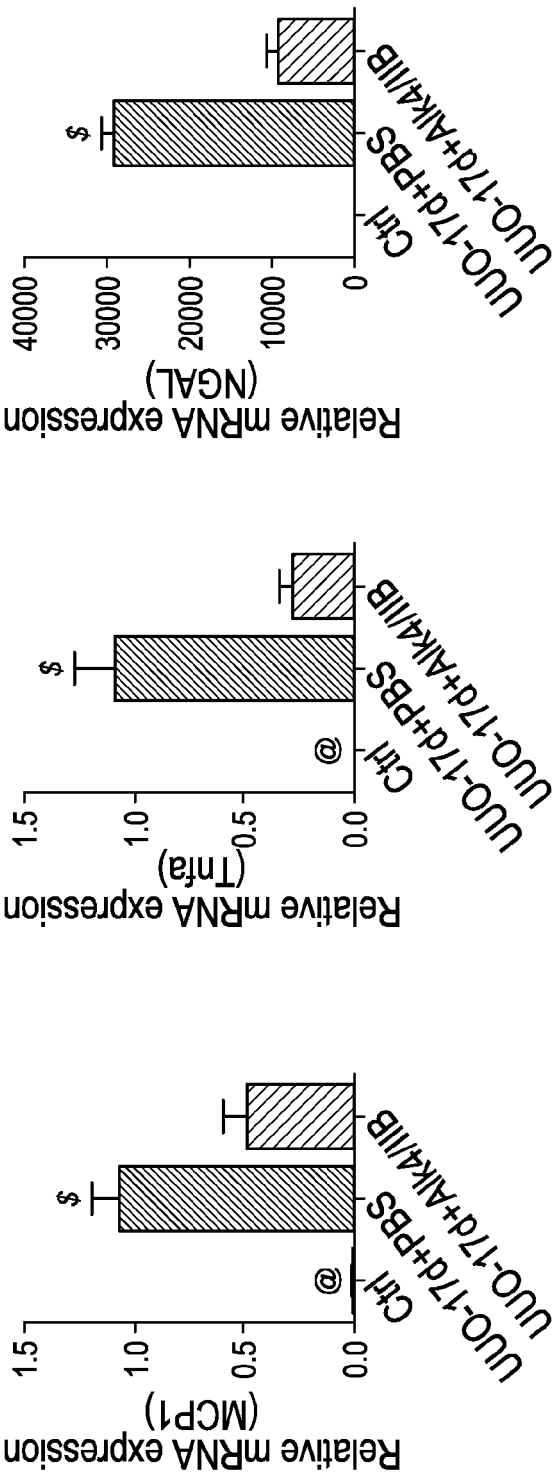


FIGURE 14B

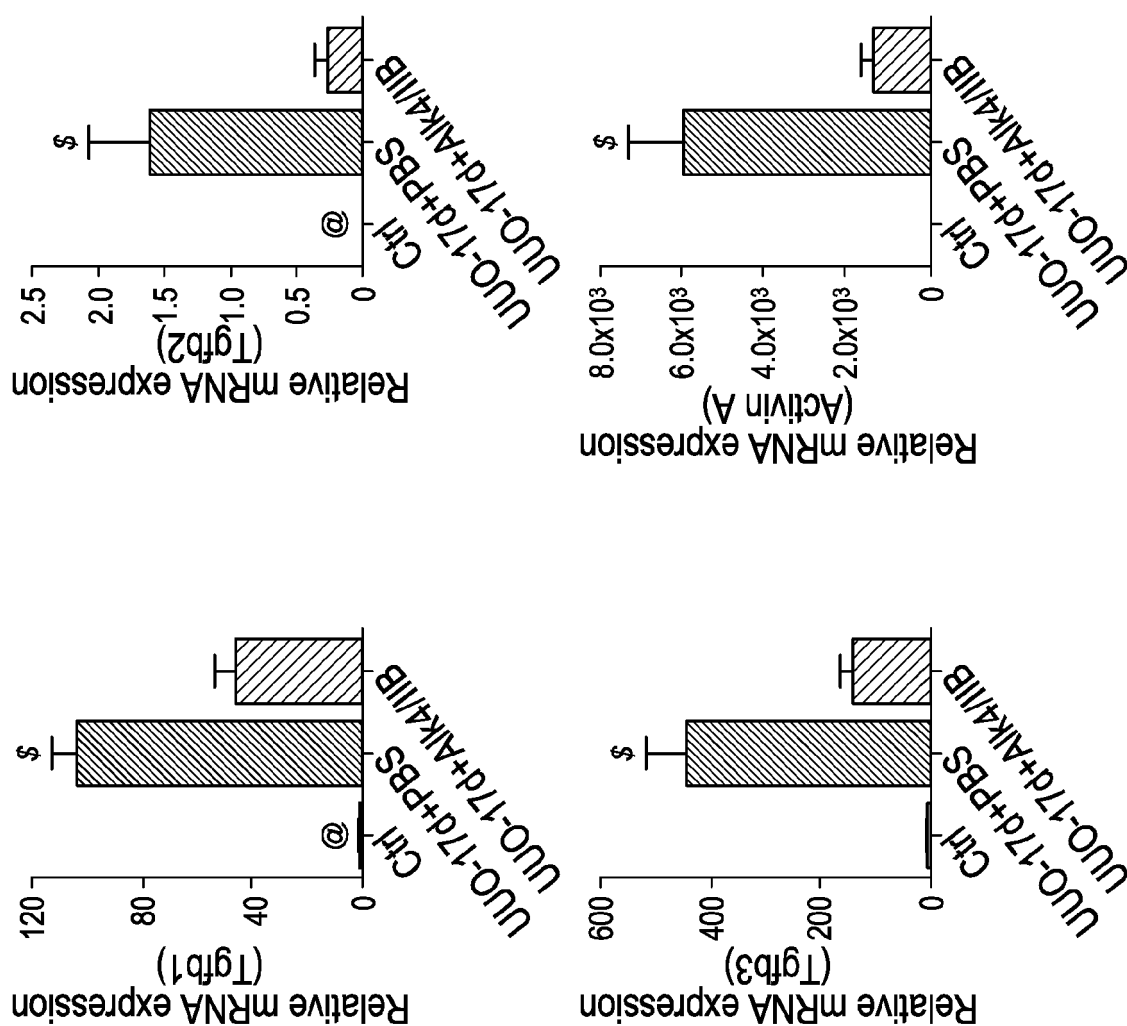


FIGURE 14C