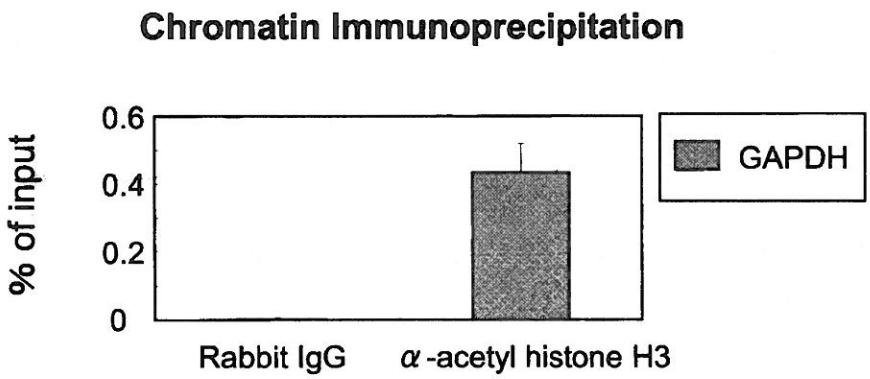
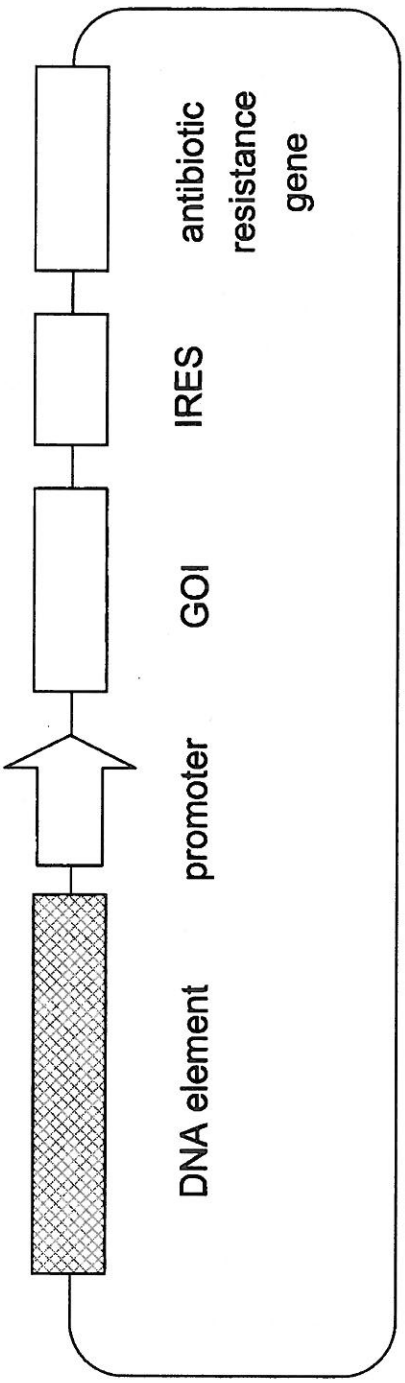
[Fig.1]

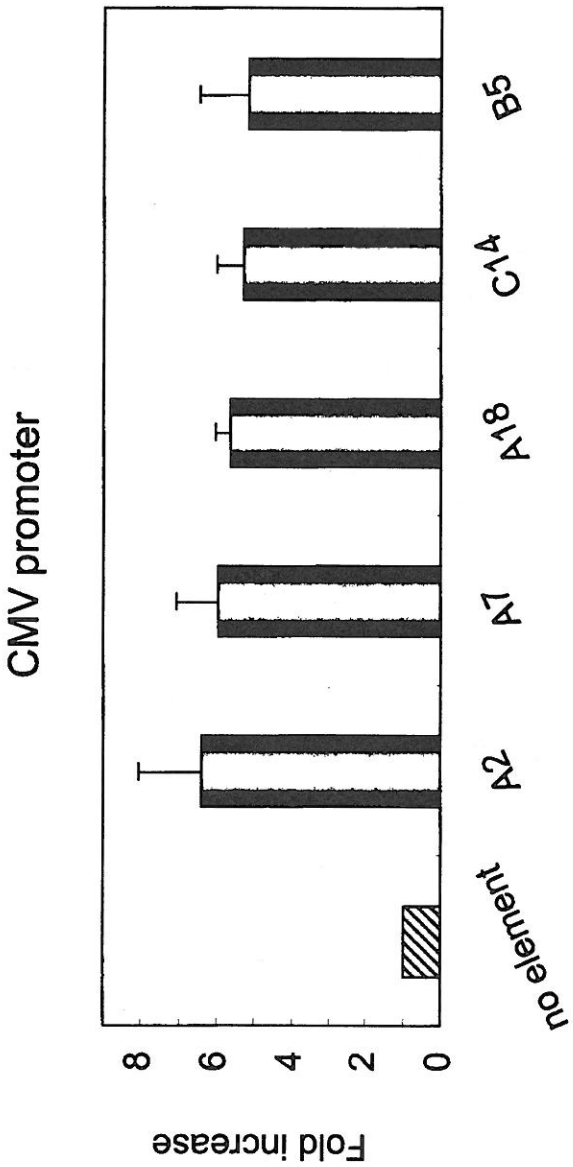

Chromatin Immunoprecipitation
% of input
0.6
0.4
0.2
0
GAPDH
Rabbit IgG
α-acetyl histone H3

[Fig.2]

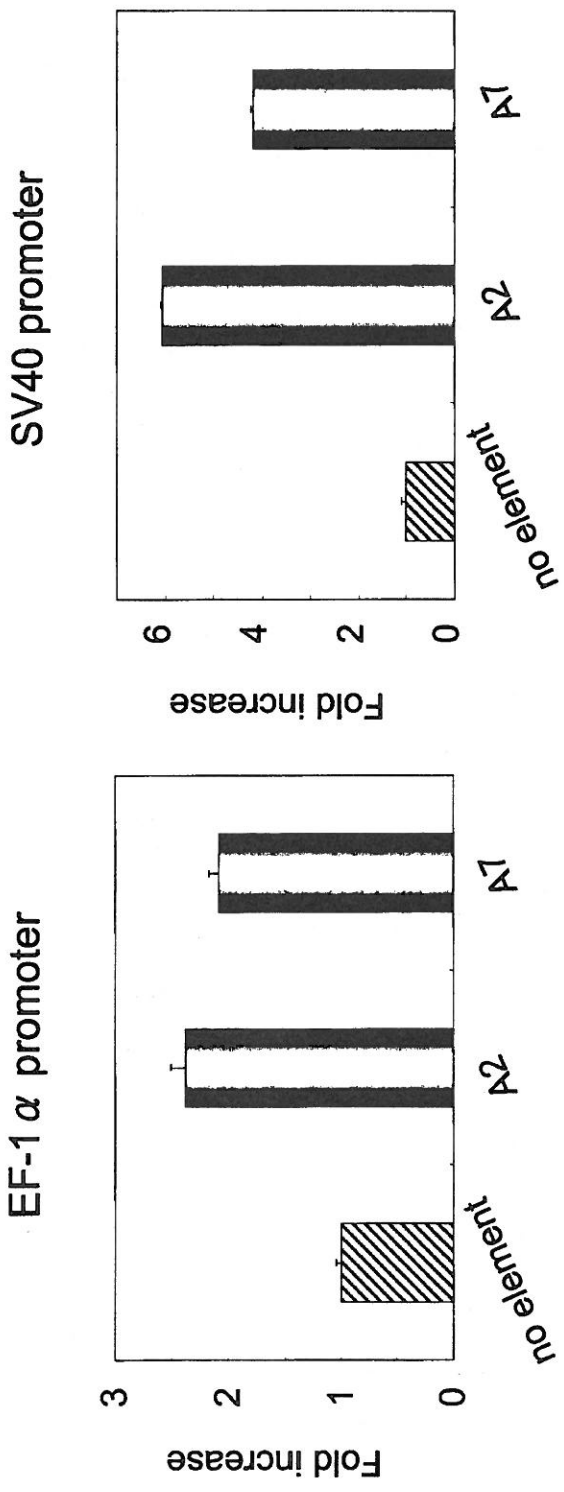


GOI : Gene of Interest (SEAP)

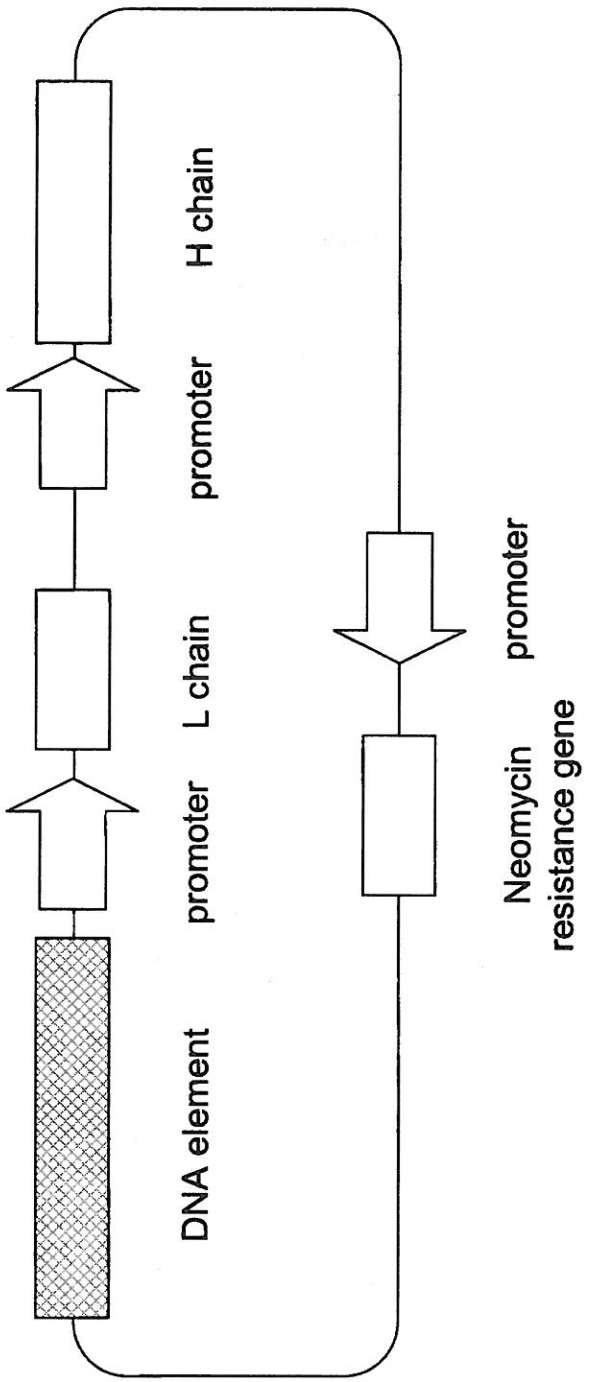
[Fig.3]



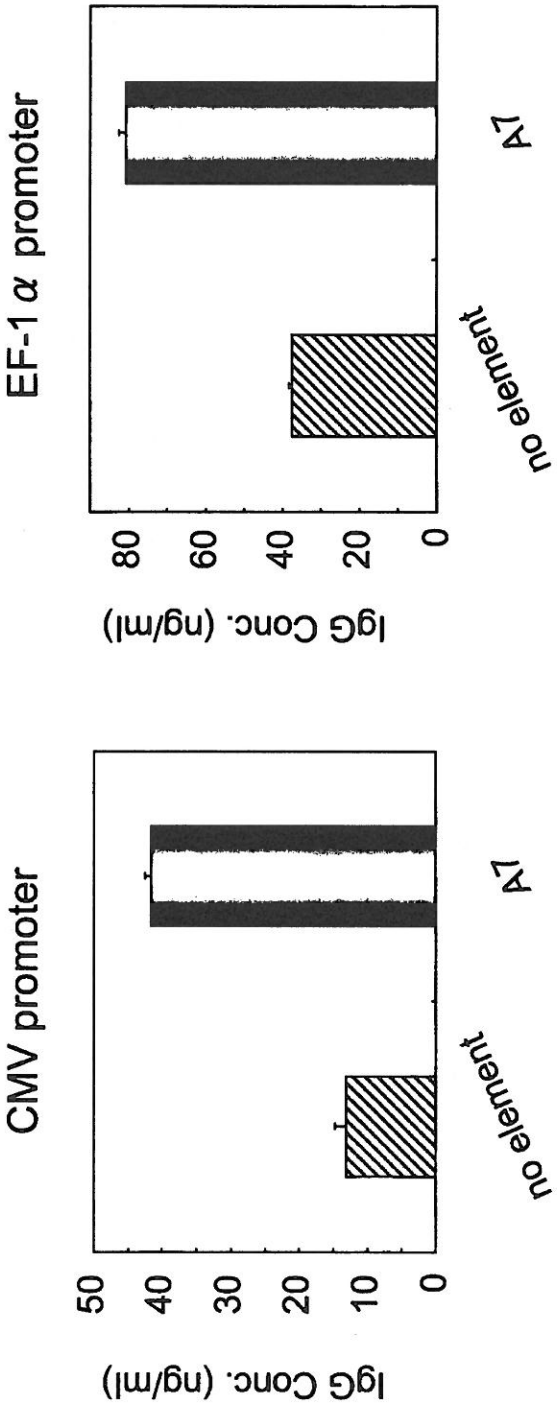
[Fig.4]


SV40 promoter
Fold increase
0
2
4
6
no element
A2
A7
EF-1 α promoter
Fold increase
0
1
2
3
no element
A2
A7

[Fig.5]


DNA element
promoter
L chain
promoter
H chain
Neomycin
resistance gene
promoter

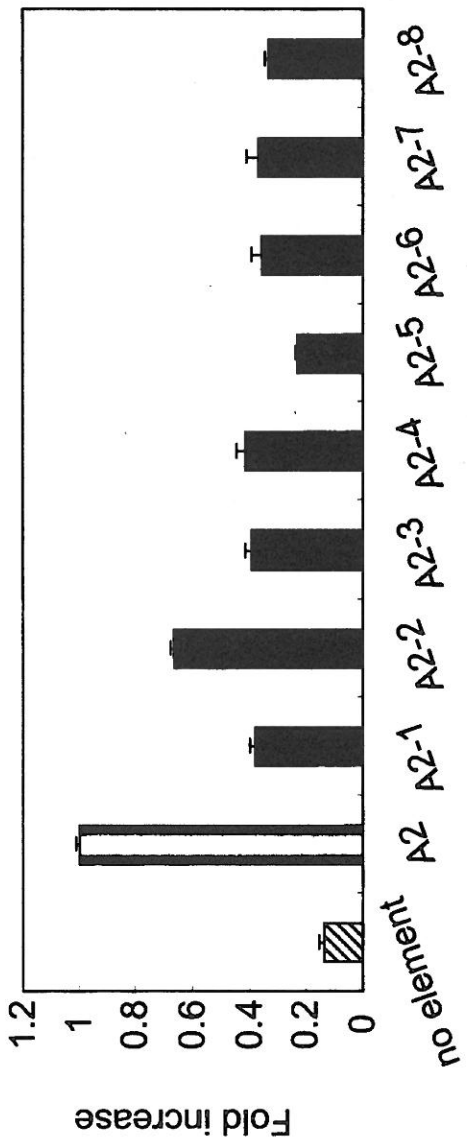
[Fig.6]

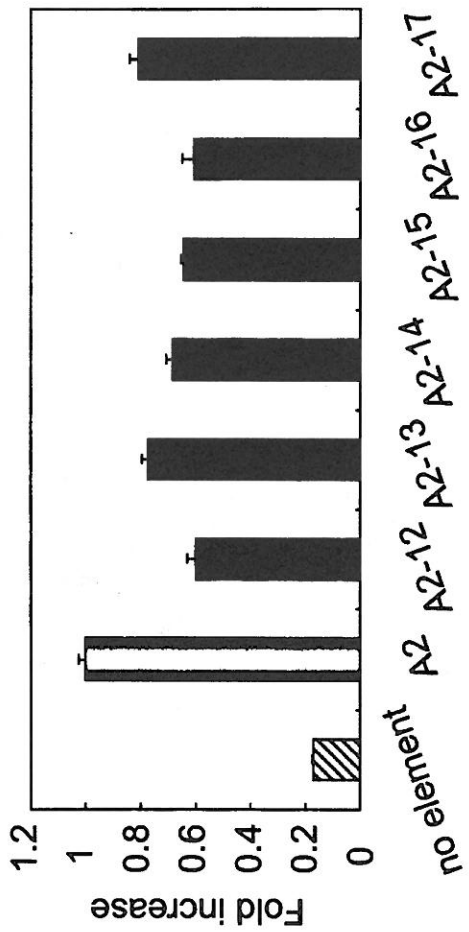

EF-1 α promoter
IgG Conc. (ng/ml)
0
20
40
60
80
no element
A7
CMV promoter
IgG Conc. (ng/ml)
0
10
20
30
40
50
no element
A7

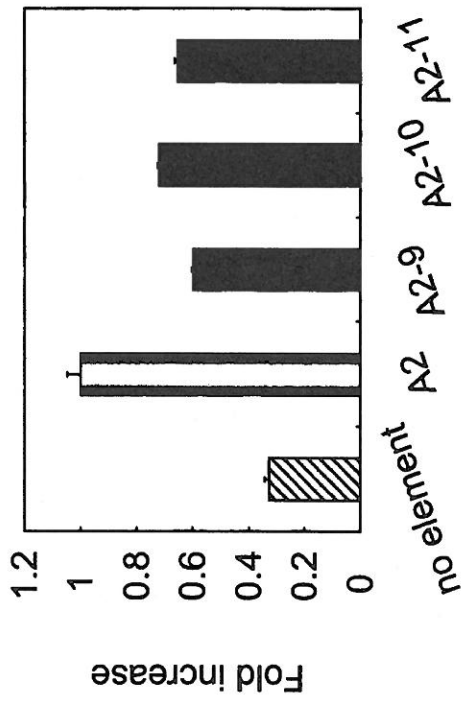
[Fig.7]

ID	Start Location	End Location	Length(bp)
A2	80966429	80974878	8450
A2-1	80966429	80969428	3000
A2-2	80969229	80972228	3000
A2-3	80971829	80974878	3050
A2-4	80967129	80969128	2000
A2-5	80967129	80968628	1500
A2-6	80967129	80970128	3000
A2-7	80968429	80971428	3000
A2-8	80970429	80973428	3000
A2-9	80966429	80970128	3700
A2-10	80968429	80972228	3800
A2-11	80969229	80973428	4200
A2-12	80967129	80972228	5100
A2-13	80968429	80973428	5000
A2-14	80969229	80974878	5650
A2-15	80966429	80972228	5800
A2-16	80967129	80973428	6300
A2-17	80968429	80974878	6450

[Fig.8]


Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
A2
A2-1
A2-2
A2-3
A2-4
A2-5
A2-6
A2-7
A2-8

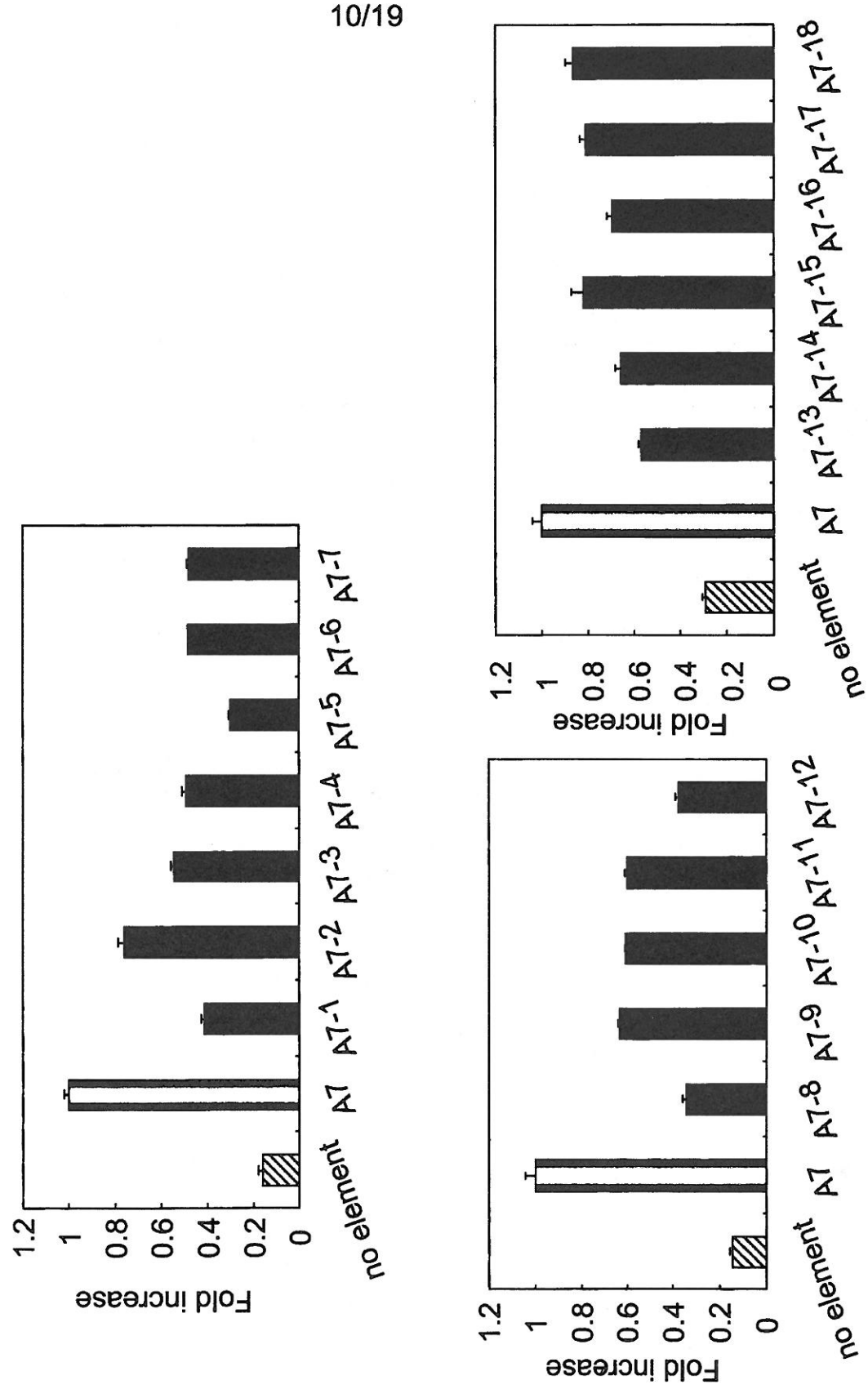

Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
A2
A2-12
A2-13
A2-14
A2-15
A2-16
A2-17


Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
A2
A2-9
A2-10
A2-11

[Fig.9]

ID	Start Location	End Location	Length(bp)
A7	88992123	89000542	8420
A7-1	88992723	88995722	3000
A7-2	88995723	89000542	4820
A7-3	88997523	89000542	3020
A7-4	88995523	88998522	3000
A7-5	88993623	88996622	3000
A7-6	88996523	88999522	3000
A7-7	88994523	88997522	3000
A7-8	88992123	88995722	3600
A7-9	88993623	88997522	3900
A7-10	88994523	88998522	4000
A7-11	88995523	88999522	4000
A7-12	88996523	89000542	4020
A7-13	88992123	88997522	5400
A7-14	88993623	88998522	4900
A7-15	88994523	88999522	5000
A7-16	88995523	89000542	5020
A7-17	88992123	88998522	6400
A7-18	88993623	88999522	5900

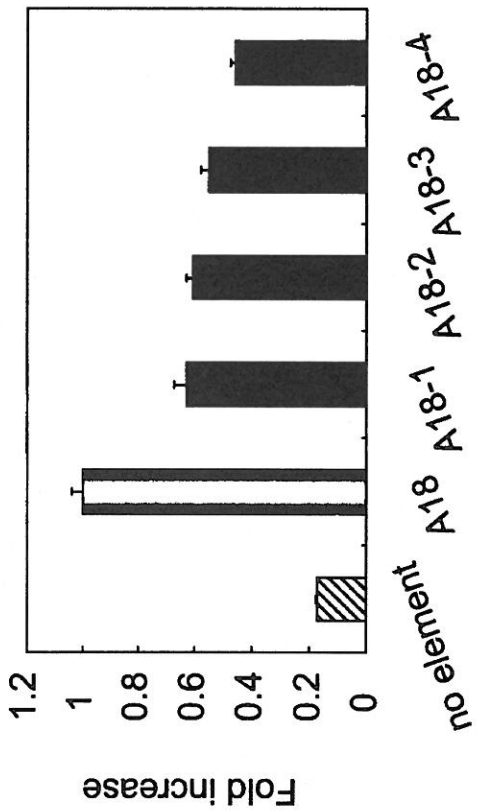
[Fig.10]


Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
A7
A7-1
A7-2
A7-3
A7-4
A7-5
A7-6
A7-7
Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
A7
A7-8
A7-9
A7-10
A7-11
A7-12
Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
A7
A7-13
A7-14
A7-15
A7-16
A7-17
A7-18

[Fig.11]

ID	Start Location	End Location	Length(bp)
A18	111275976	111284450	8475
A18-1	111275976	111281015	5040
A18-2	111276976	111281977	5002
A18-3	111277976	111282975	5000
A18-4	111278975	111282975	4001

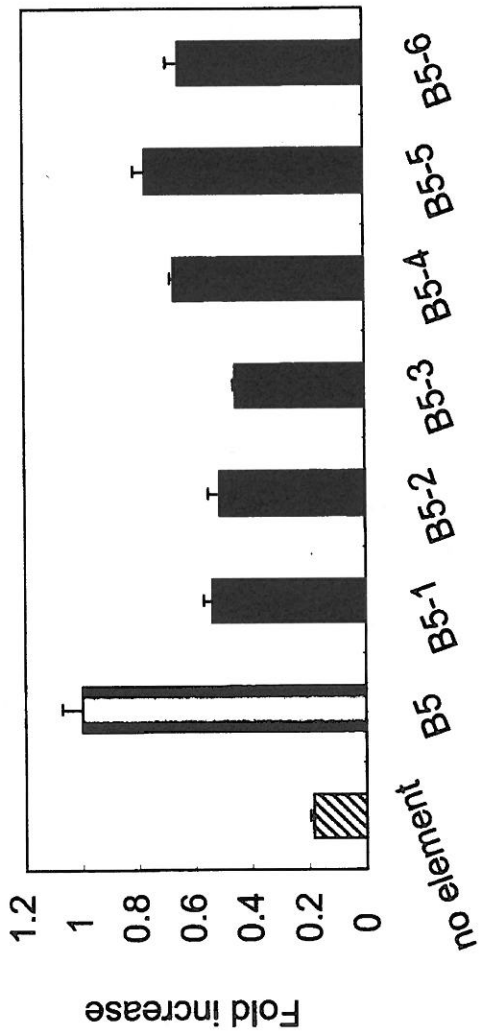
[Fig.12]


Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
A18
A18-1
A18-2
A18-3
A18-4

[Fig.13]

ID	Start Location	End Location	Length(bp)
B5	143034684	143043084	8401
B5-1	143034684	143038684	4001
B5-2	143034684	143037883	3200
B5-3	143037174	143040284	3111
B5-4	143040056	143043084	3029
B5-5	143035584	143038684	3101
B5-6	143038684	143041683	3000

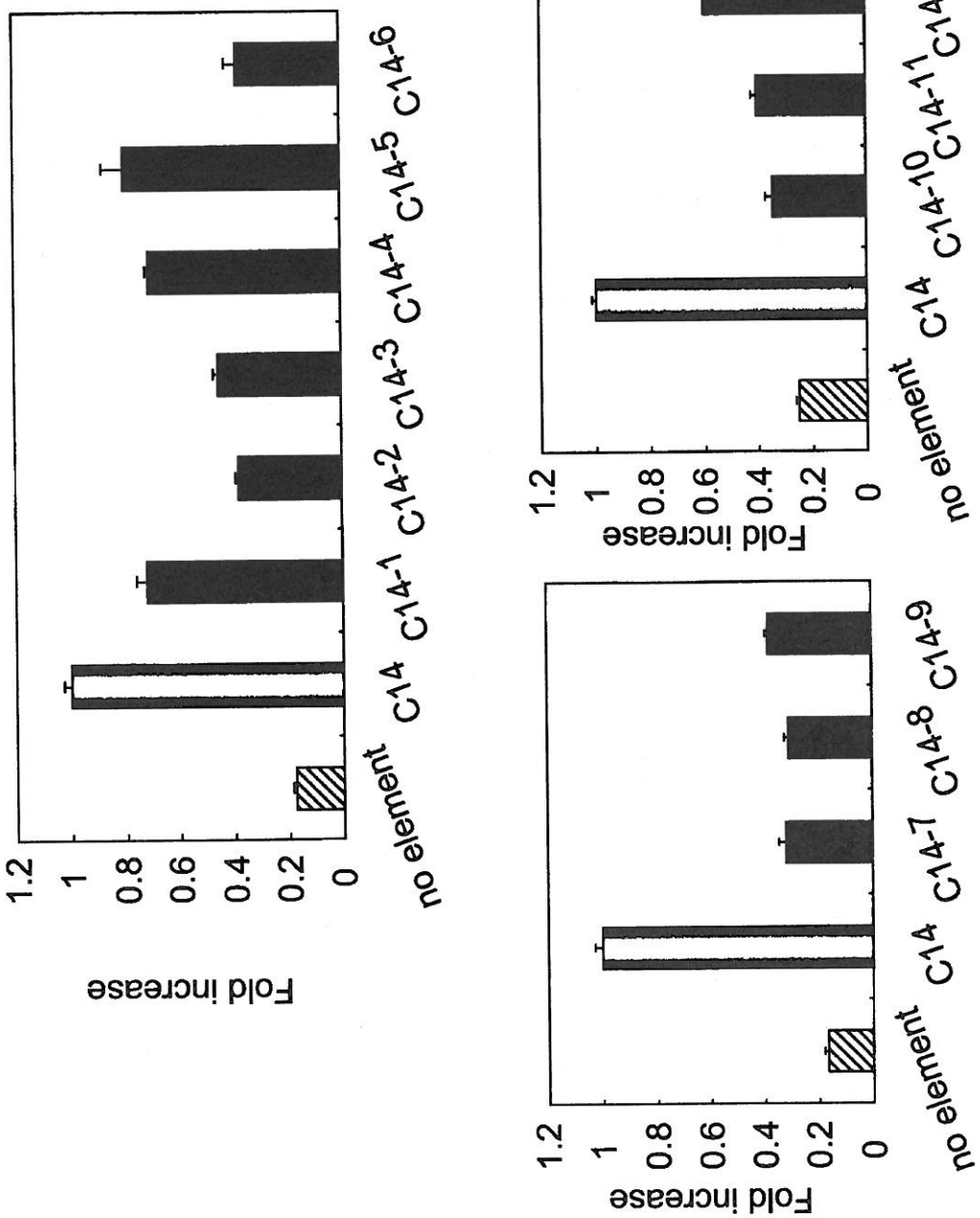
[Fig.14]


Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
B5
B5-1
B5-2
B5-3
B5-4
B5-5
B5-6

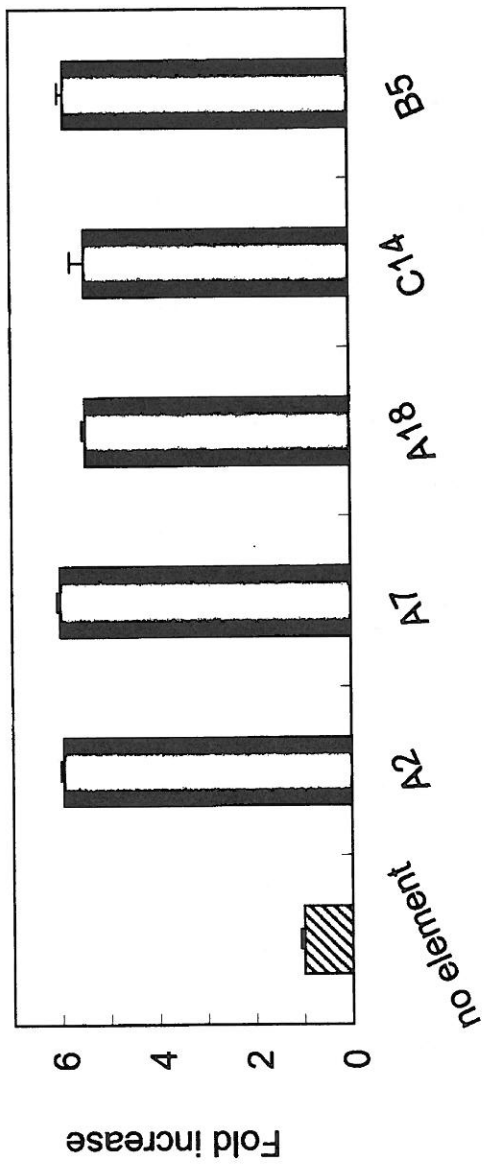
[Fig.15]

ID	Start Location	End Location	Length(bp)
C14	46089056	46097482	8427
C14-1	46090015	46093070	3056
C14-2	46091042	46094069	3028
C14-3	46093075	46096174	3100
C14-4	46090015	46097196	7182
C14-5	46090015	46095066	5052
C14-6	46093994	46097196	3203
C14-7	46090015	46094069	4055
C14-8	46092049	46096174	4126
C14-9	46093075	46097196	4122
C14-10	46089056	46094069	5014
C14-11	46091042	46096174	5133
C14-12	46092049	46097196	5148
C14-13	46090015	46096174	6160
C14-14	46091042	46097196	6155

[Fig.16]


Fold increase
1.2
1
0.8
0.6
0.4
0.2
0
no element
C14
C14-1
C14-2
C14-3
C14-4
C14-5
C14-6
C14-7
C14-8
C14-9
C14-10
C14-11
C14-12
C14-13
C14-14

[Fig.17]



[Fig.18]

The start and end points on the basis of the full length sequence of the DNA element A2

	Start point	End point
A2	1	8450
A2-1	1	3000
A2-2	2801	5800
A2-3	5401	8450
A2-4	701	2700
A2-5	701	2200
A2-6	701	3700
A2-7	2001	5000
A2-8	4001	7000
A2-9	1	3700
A2-10	2001	5800
A2-11	2801	7000
A2-12	701	5800
A2-13	2001	7000
A2-14	2801	8450
A2-15	1	5800
A2-16	701	7000
A2-17	2001	8450

The start and end points on the basis of the full length sequence of the DNA element A7

	Start point	End point
A7	1	8420
A7-1	601	3600
A7-2	3601	8420
A7-3	5401	8420
A7-4	3401	6400
A7-5	1501	4500
A7-6	4401	7400
A7-7	2401	5400
A7-8	1	3600
A7-9	1501	5400
A7-10	2401	6400
A7-11	3401	7400
A7-12	4401	8420
A7-13	1	5400
A7-14	1501	6400
A7-15	2401	7400
A7-16	3401	8420
A7-17	1	6400
A7-18	1501	7400

The start and end points on the basis of the full length sequence of the DNA element A18

	Start point	End point
A18	1	8475
A18-1	1	5040
A18-2	1001	6002
A18-3	2001	7000
A18-4	3000	7000

[Fig.19]

The start and end points on the basis of the full length sequence of the DNA element B5

	Start point	End point
B5	1	8401
B5-1	1	4001
B5-2	1	3200
B5-3	2491	5601
B5-4	5373	8401
B5-5	901	4001
B5-6	4001	7000

The start and end points on the basis of the full length sequence of the DNA element C14

	Start point	End point
C14	1	8427
C14-1	960	4015
C14-2	1987	5014
C14-3	4020	7119
C14-4	960	8141
C14-5	960	6011
C14-6	4939	8141
C14-7	960	5014
C14-8	2994	7119
C14-9	4020	8141
C14-10	1	5014
C14-11	1987	7119
C14-12	2994	8141
C14-13	960	7119
C14-14	1987	8141