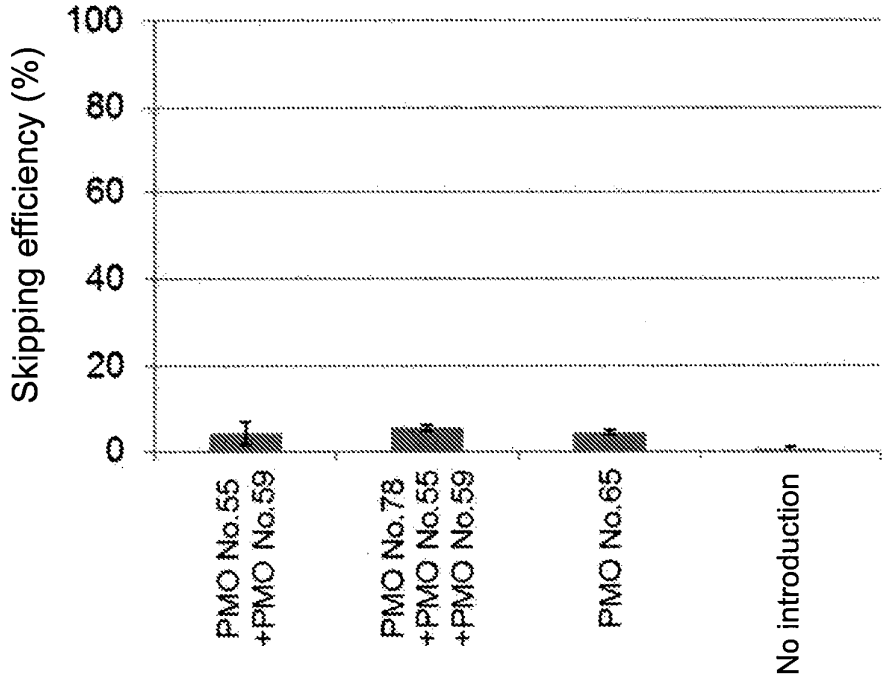
Fig. 1

A


Skipping efficiency (%)
100
80
60
40
20
0
PMO No.55 +PMO No.59
PMO No.78 +PMO No.55 +PMO No.59
PMO No.65
No introduction

B

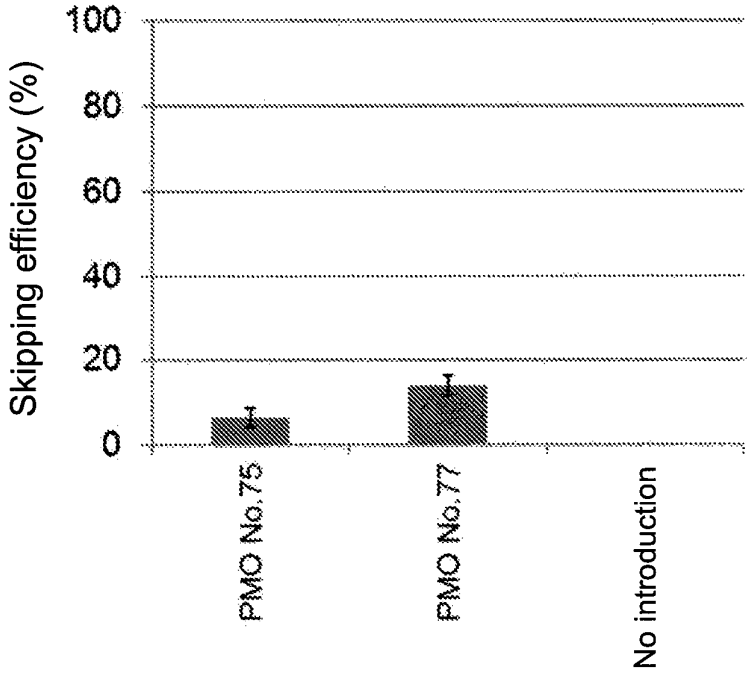

Skipping efficiency (%)
100
80
60
40
20
0
PMO No.75
PMO No.77
No introduction

Fig. 2

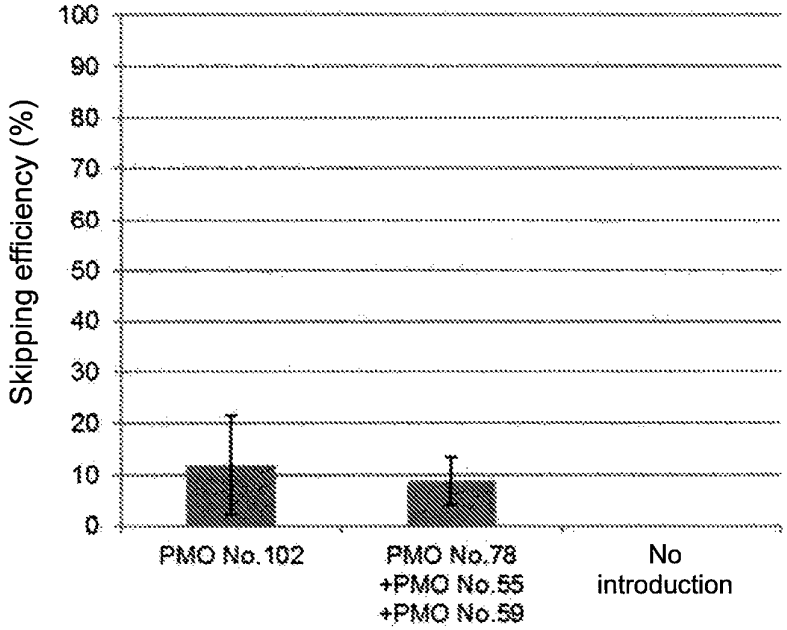

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.102
PMO No.78
+PMO No.55
+PMO No.59
No
introduction

Fig. 3

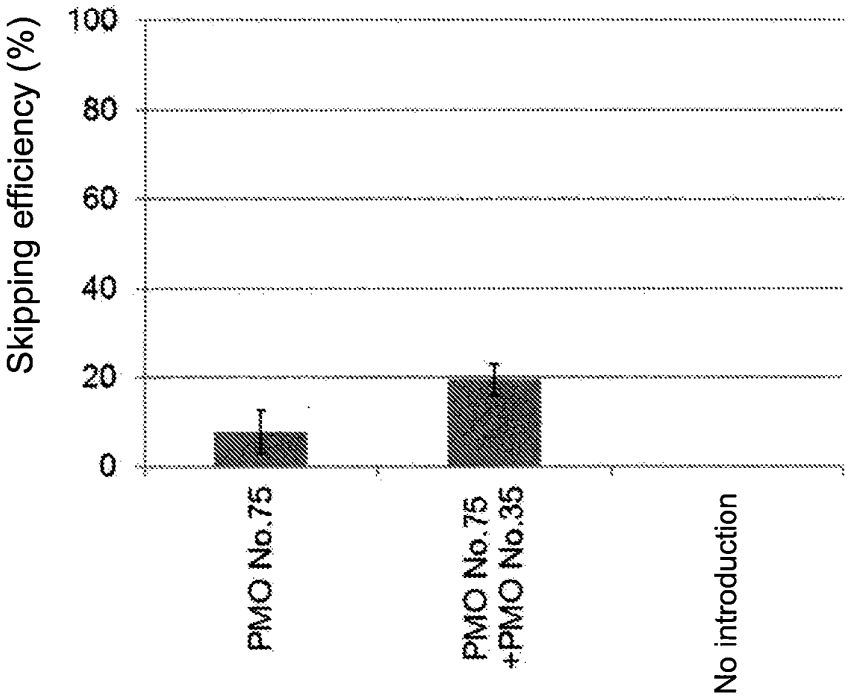

Skipping efficiency (%)
100
80
60
40
20
0
PMO No.75
PMO No.75
+PMO No.35
No introduction

Fig. 4

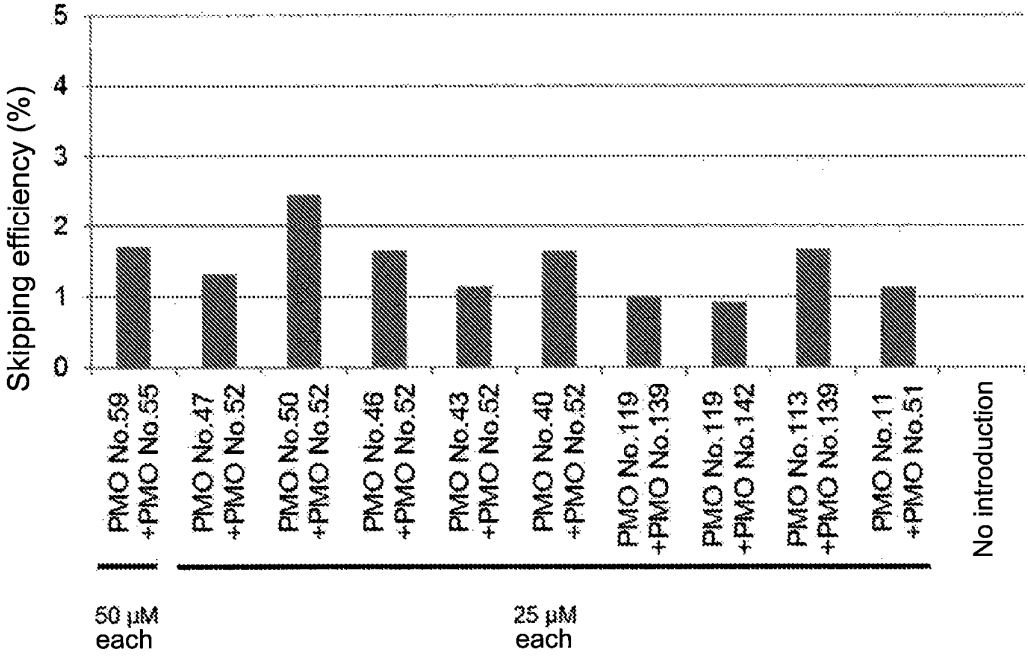

Skipping efficiency (%)
0
1
2
3
4
5
PMO No.59 +PMO No.55
PMO No.47 +PMO No.52
PMO No.50 +PMO No.52
PMO No.46 +PMO No.52
PMO No.43 +PMO No.52
PMO No.40 +PMO No.52
PMO No.119 +PMO No.139
PMO No.119 +PMO No.142
PMO No.113 +PMO No.139
PMO No.11 +PMO No.51
No introduction
50 μM each
25 μM each

Fig. 5

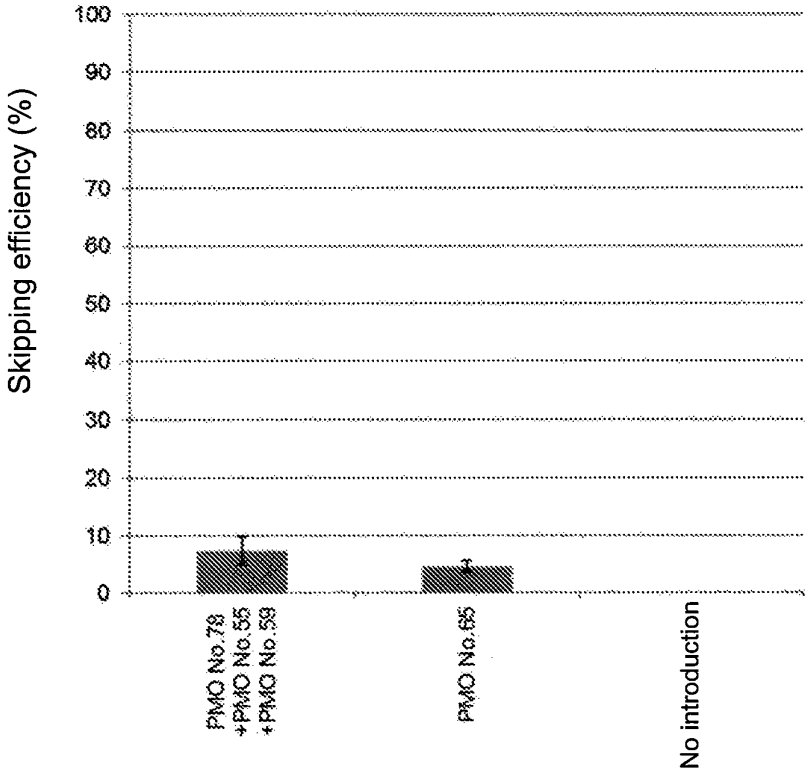

Skipping efficiency (%)
0
10
20
30
40
50
60
70
80
90
100
PMO No.78 +PMO No.55 +PMO No.59
PMO No.65
No introduction

Fig. 6

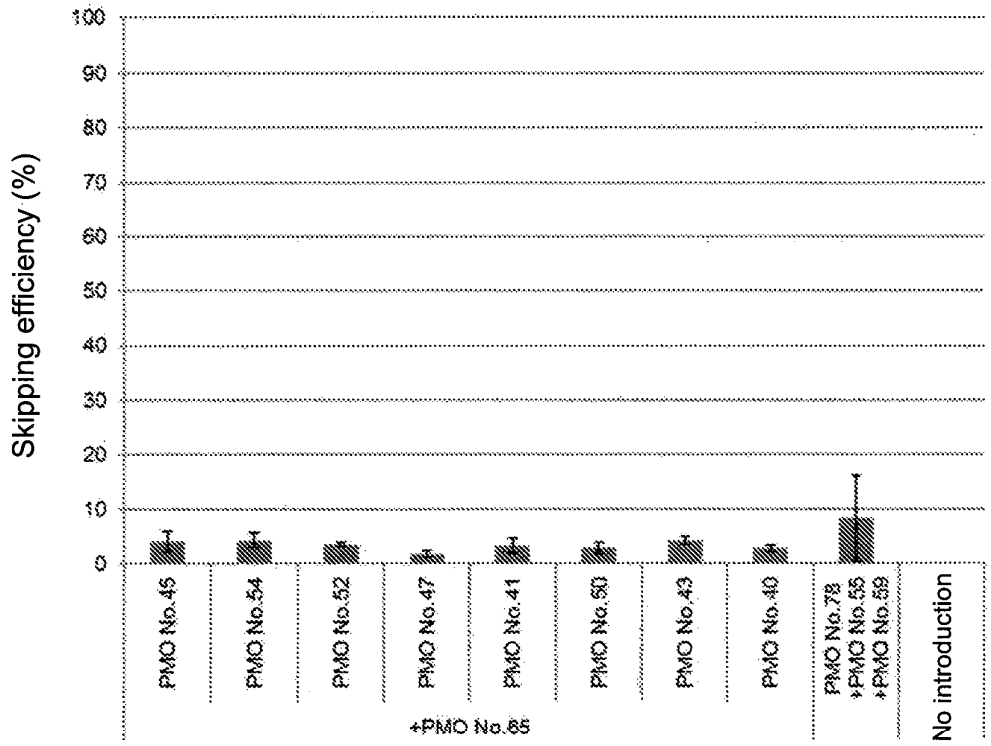

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.45
PMO No.54
PMO No.52
PMO No.47
PMO No.41
PMO No.50
PMO No.43
PMO No.40
PMO No.78 +PMO No.55 +PMO No.59
No introduction
+PMO No.65

Fig. 7

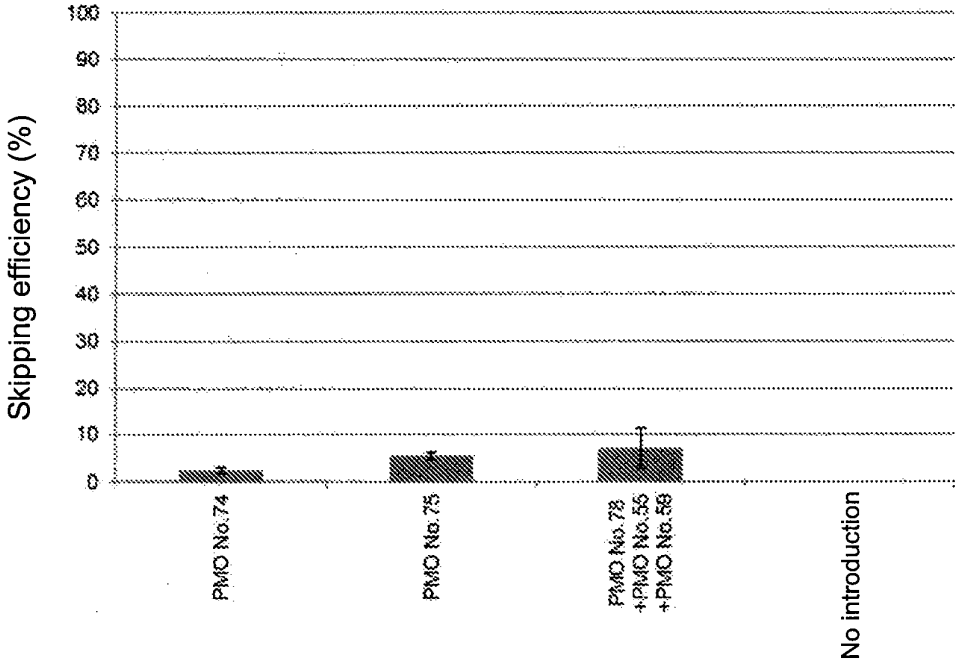

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.74
PMO No.75
PMO No.78 +PMO No.55 +PMO No.59
No introduction

Fig. 8

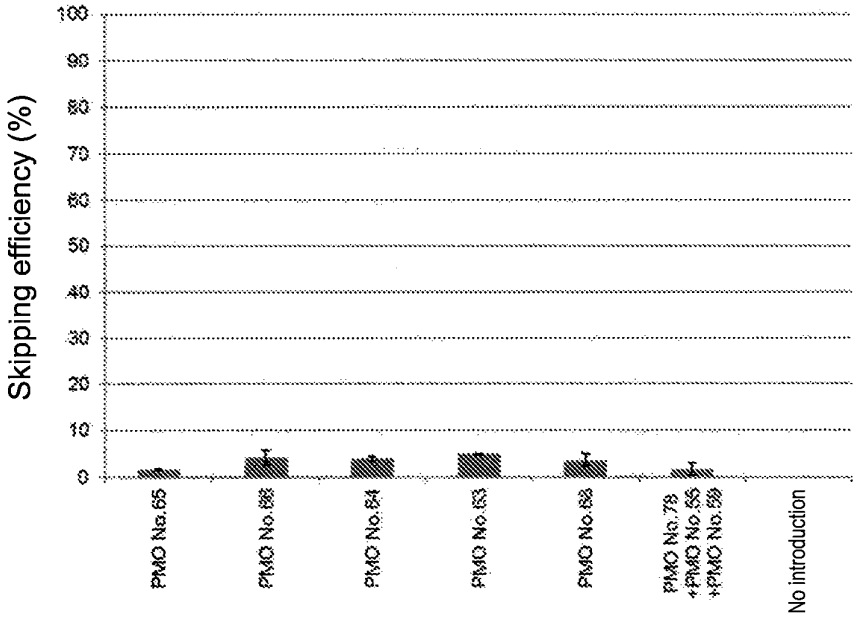

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.65
PMO No.66
PMO No.64
PMO No.63
PMO No.62
PMO No.78 +PMO No.65 +PMO No.59
No introduction

Fig. 9

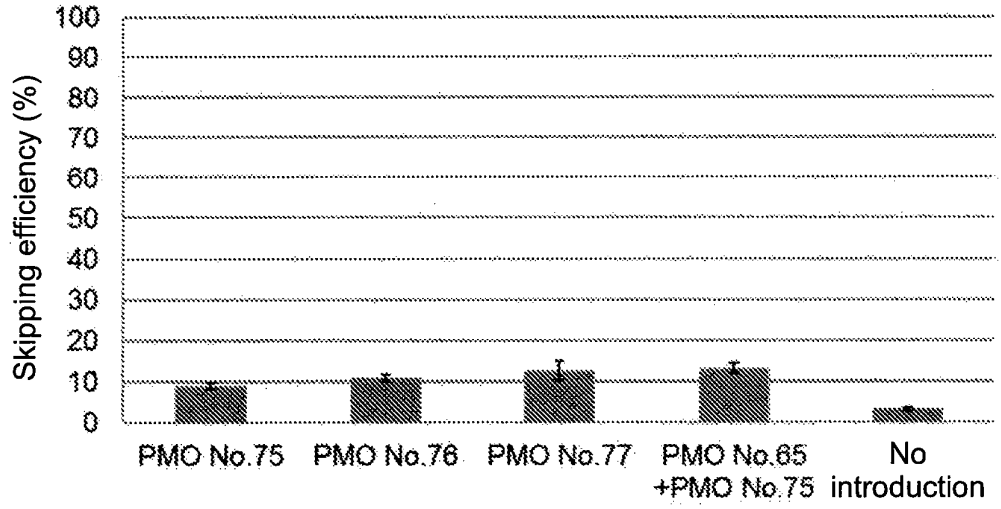

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.75
PMO No.76
PMO No.77
PMO No.65 +PMO No.75
No introduction

Fig. 10

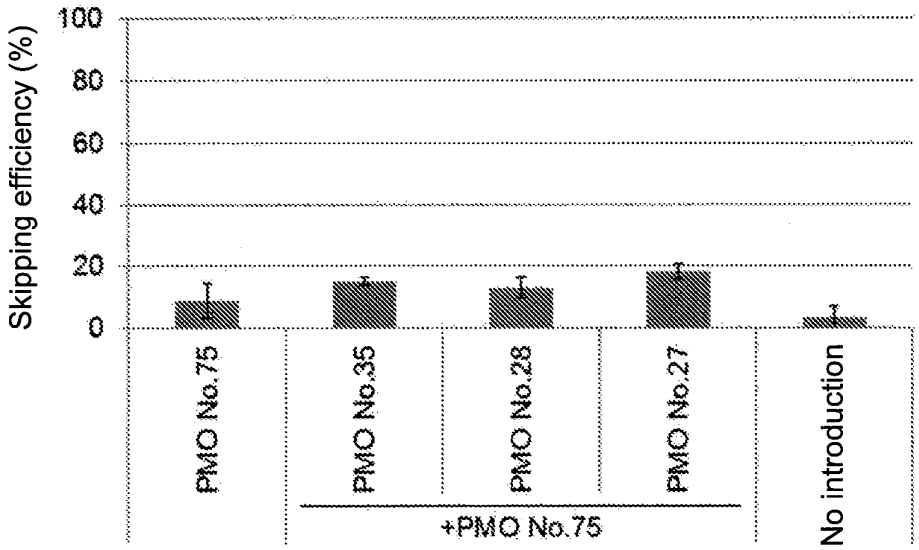

Skipping efficiency (%)
100
80
60
40
20
0
PMO No.75
PMO No.35
PMO No.28
PMO No.27
+PMO No.75
No introduction

Fig. 11

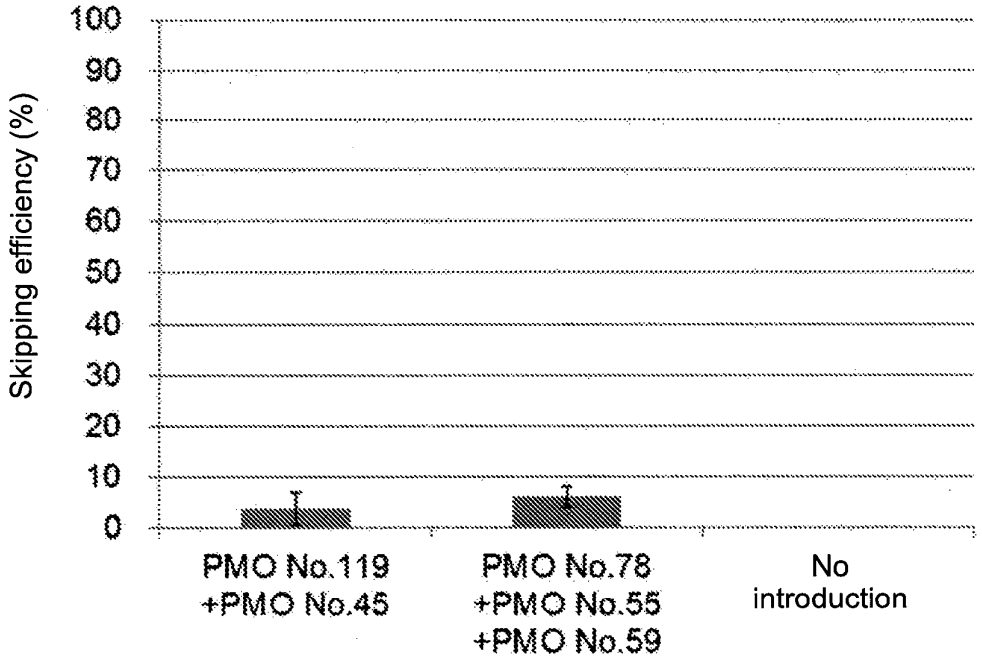

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.119
+PMO No.45
PMO No.78
+PMO No.55
+PMO No.59
No
introduction

Fig. 12

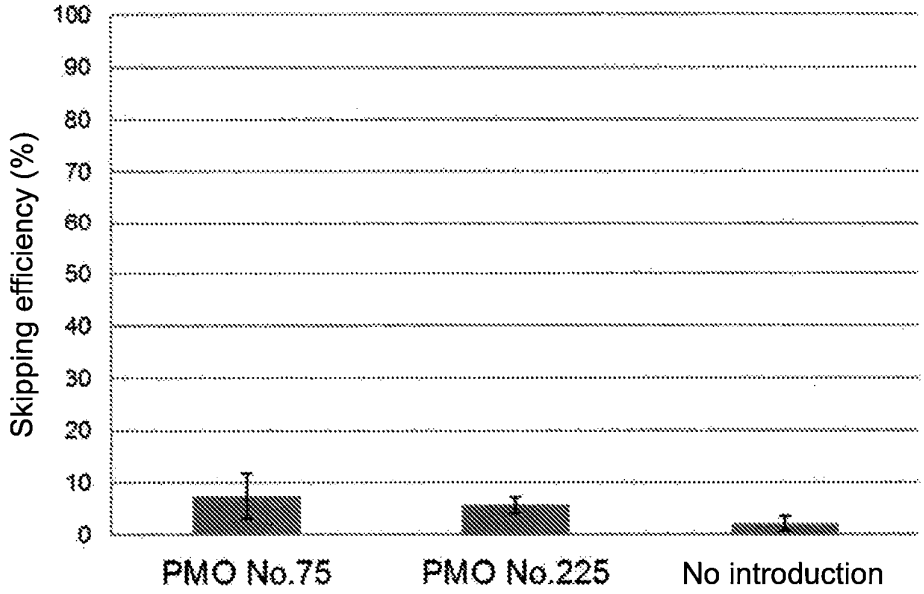

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.75
PMO No.225
No introduction

Fig. 13

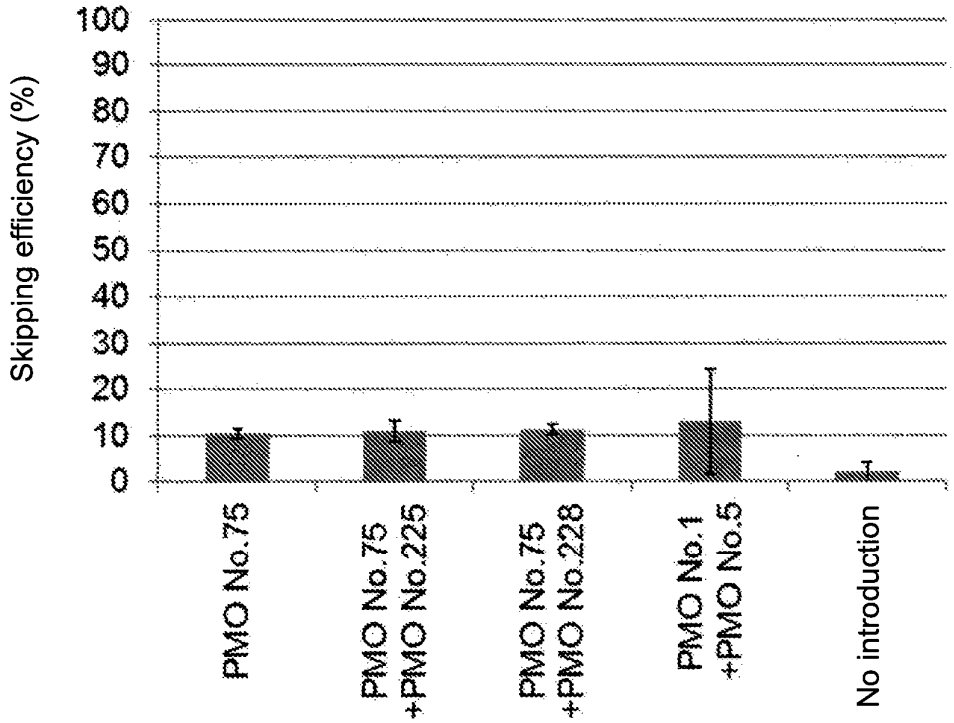

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.75
PMO No.75 +PMO No.225
PMO No.75 +PMO No.228
PMO No.1 +PMO No.5
No introduction

Fig. 14

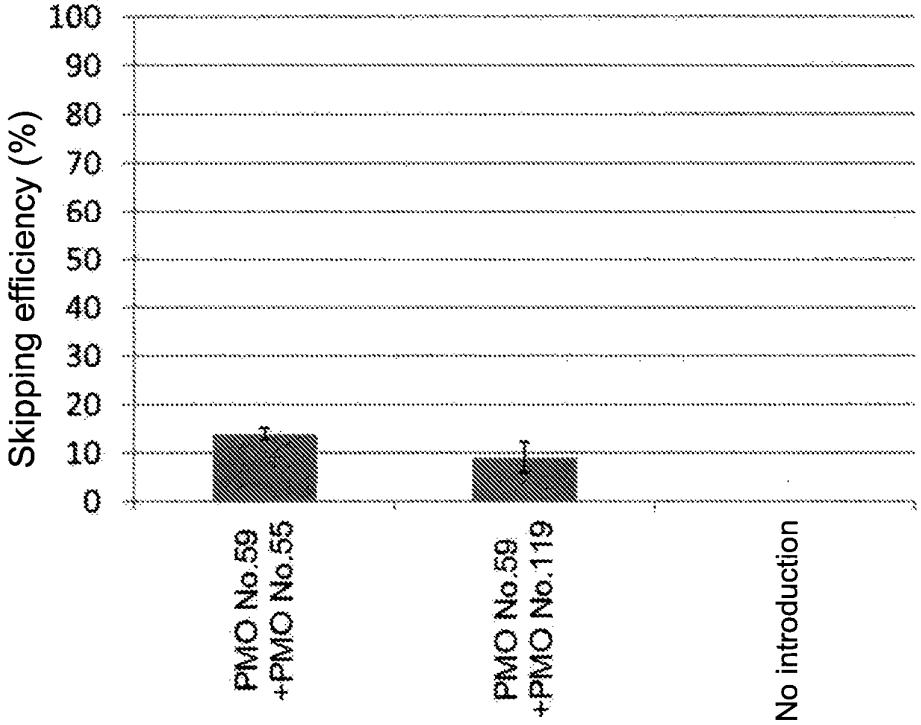

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.59 +PMO No.55
PMO No.59 +PMO No.119
No introduction

Fig. 15

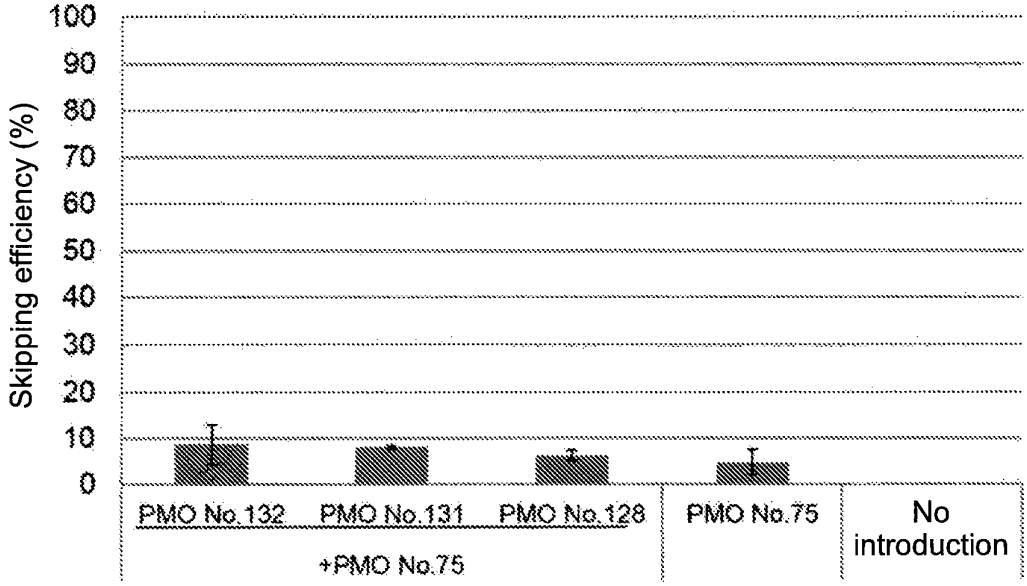

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.132
PMO No.131
PMO No.128
+PMO No.75
PMO No.75
No introduction

Fig. 16

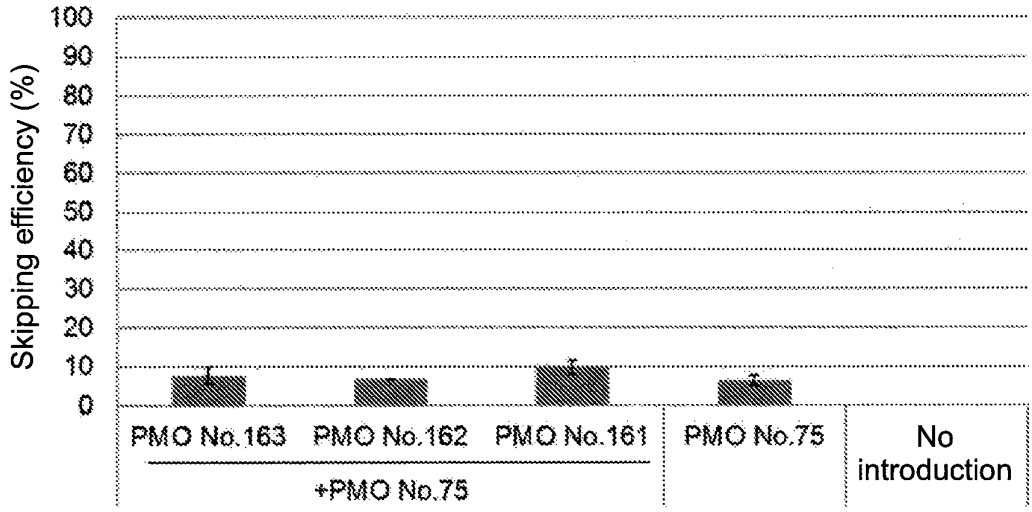
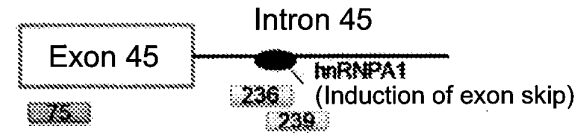

Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.163
PMO No.162
PMO No.161
PMO No.75
No introduction
+PMO No.75

Fig. 17


Intron 45
Exon 45
hnRNPA1
(Induction of exon skip)
75
236
239

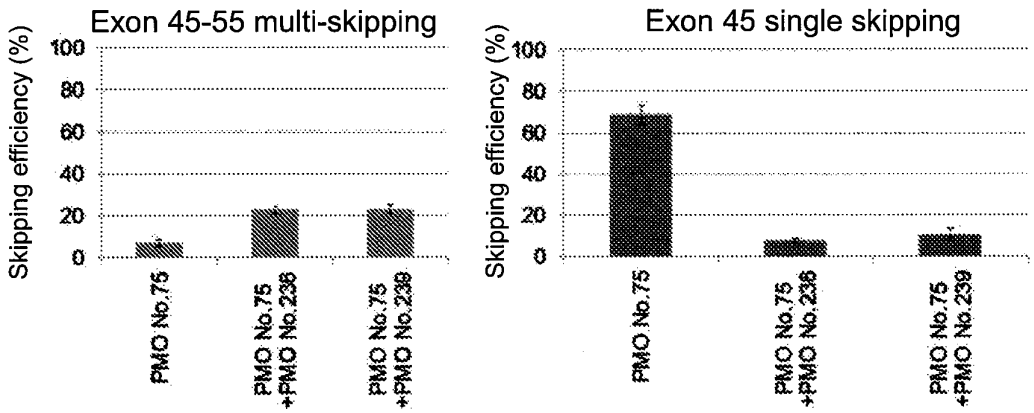

Exon 45-55 multi-skipping
Skipping efficiency (%)
100
80
60
40
20
0
PMO No.75
PMO No.75 +PMO No.236
PMO No.75 +PMO No.239
Exon 45 single skipping
Skipping efficiency (%)
100
80
60
40
20
0
PMO No.75
PMO No.75 +PMO No.236
PMO No.75 +PMO No.239

Fig. 18

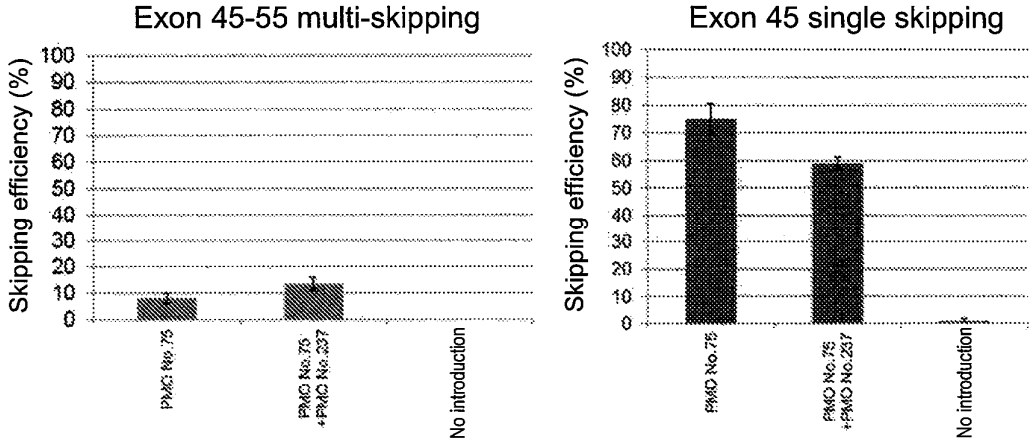

Exon 45-55 multi-skipping
Skipping efficiency (%)
100
90
80
70
60
50
40
30
20
10
0
PMO No.75
PMO No.75 +PMO No.237
No introduction
Exon 45 single skipping
Skipping efficiency (%)
PMO No.75
PMO No.75 +PMO No.237
No introduction

Fig. 19

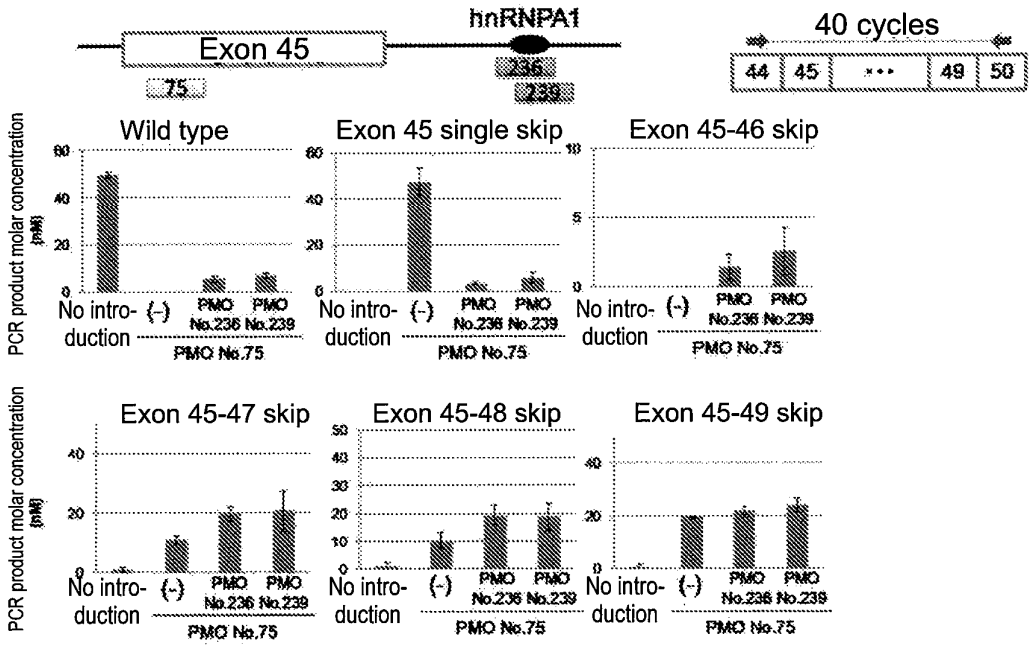
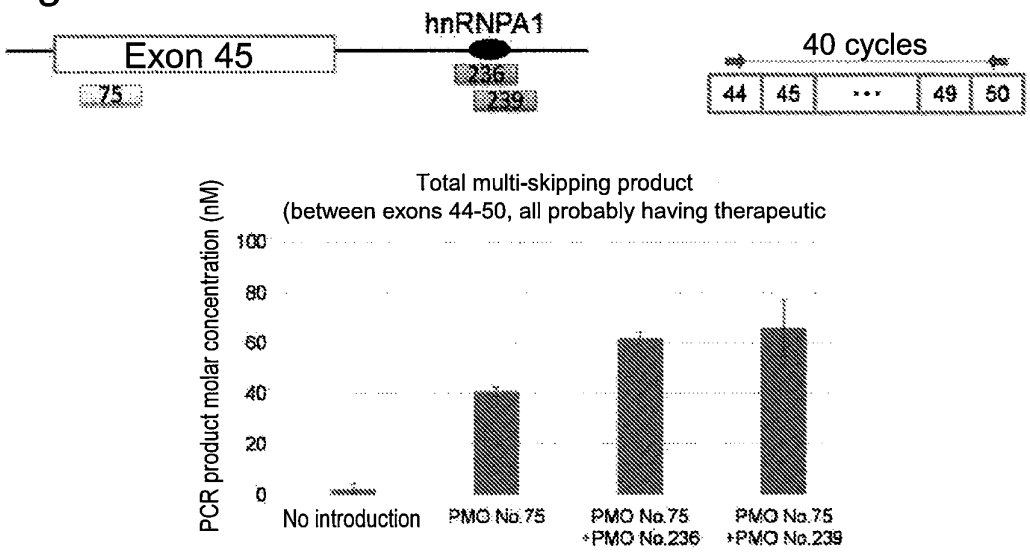

hnRNPA1
Exon 45
75
236
239
40 cycles
44
45
49
50
Wild type
Exon 45 single skip
Exon 45-46 skip
PCR product molar concentration (nM)
No intro-duction
(-)
PMO No.236
PMO No.239
PMO No.75
Exon 45-47 skip
Exon 45-48 skip
Exon 45-49 skip

Fig. 20



*Total of exon 45-46, exon 45-47, exon 45-48, and exon 45-49 skipping

Fig. 21

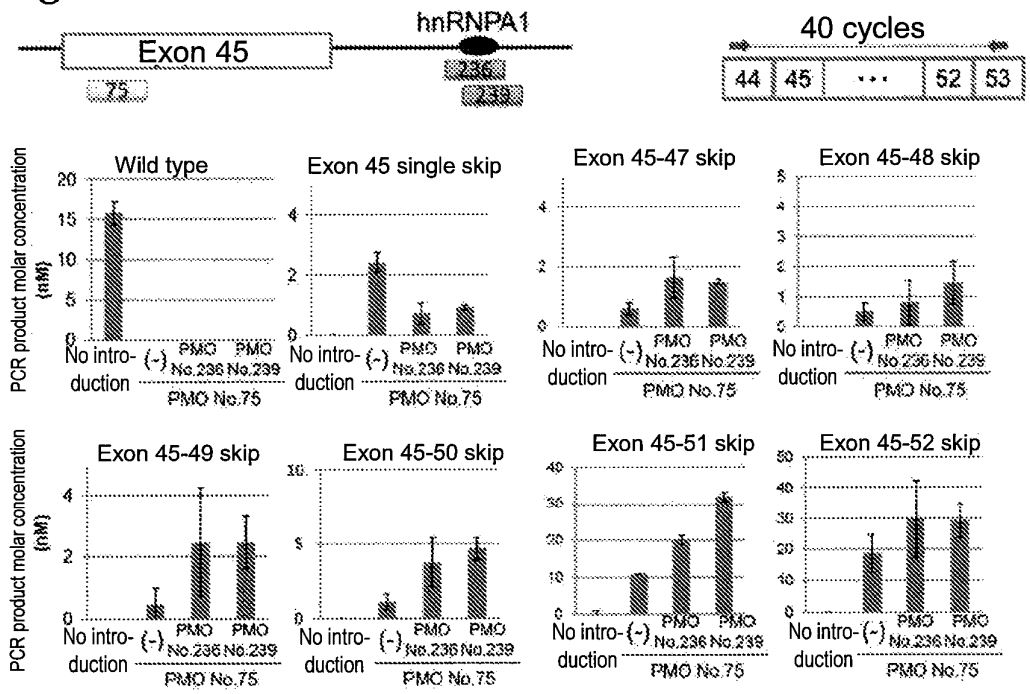
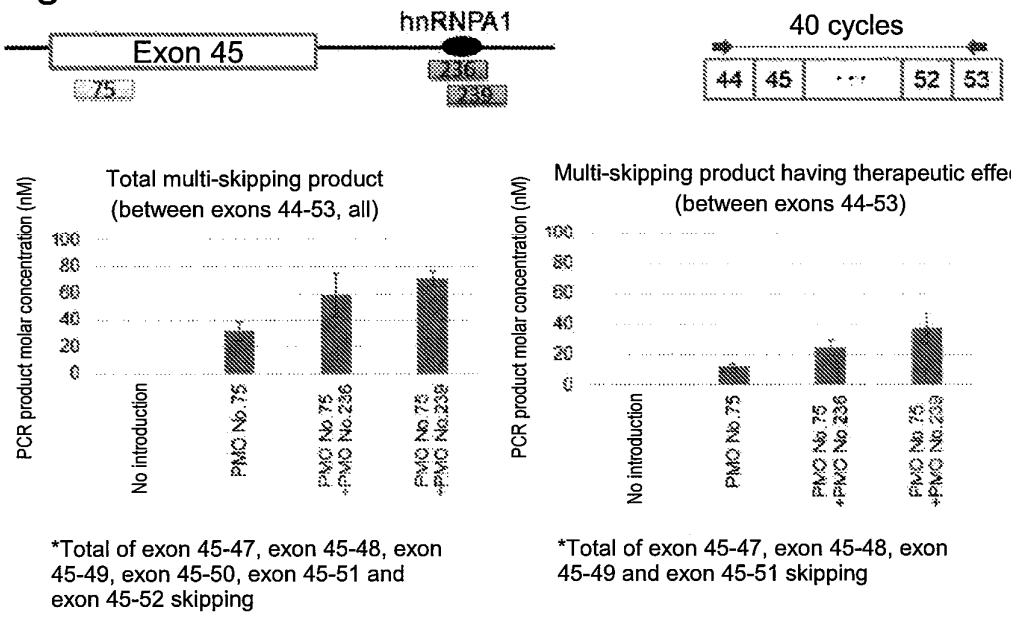


Fig. 22



*Total of exon 45-47, exon 45-48, exon 45-49, exon 45-50, exon 45-51 and exon 45-52 skipping

*Total of exon 45-47, exon 45-48, exon 45-49 and exon 45-51 skipping