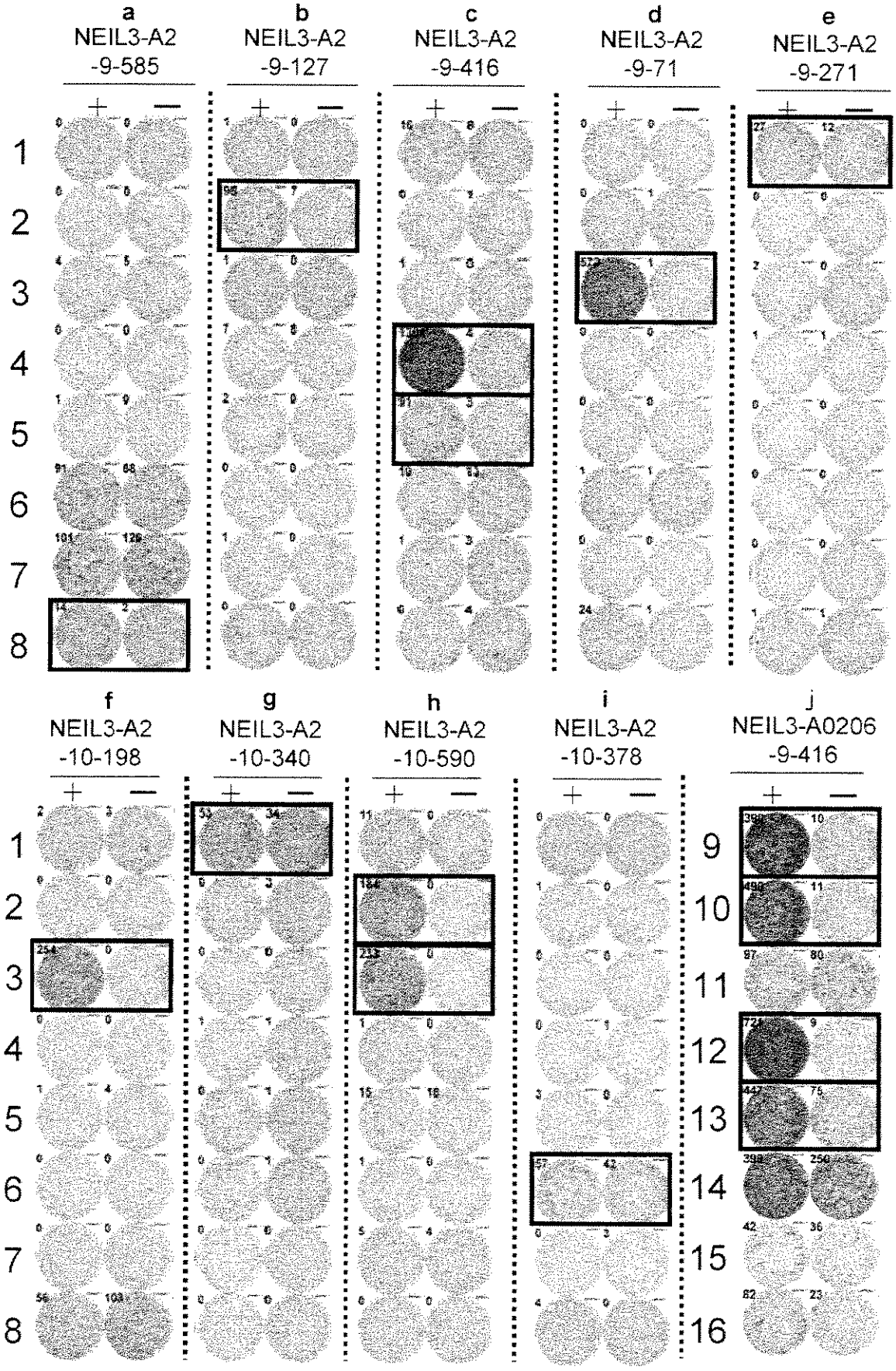
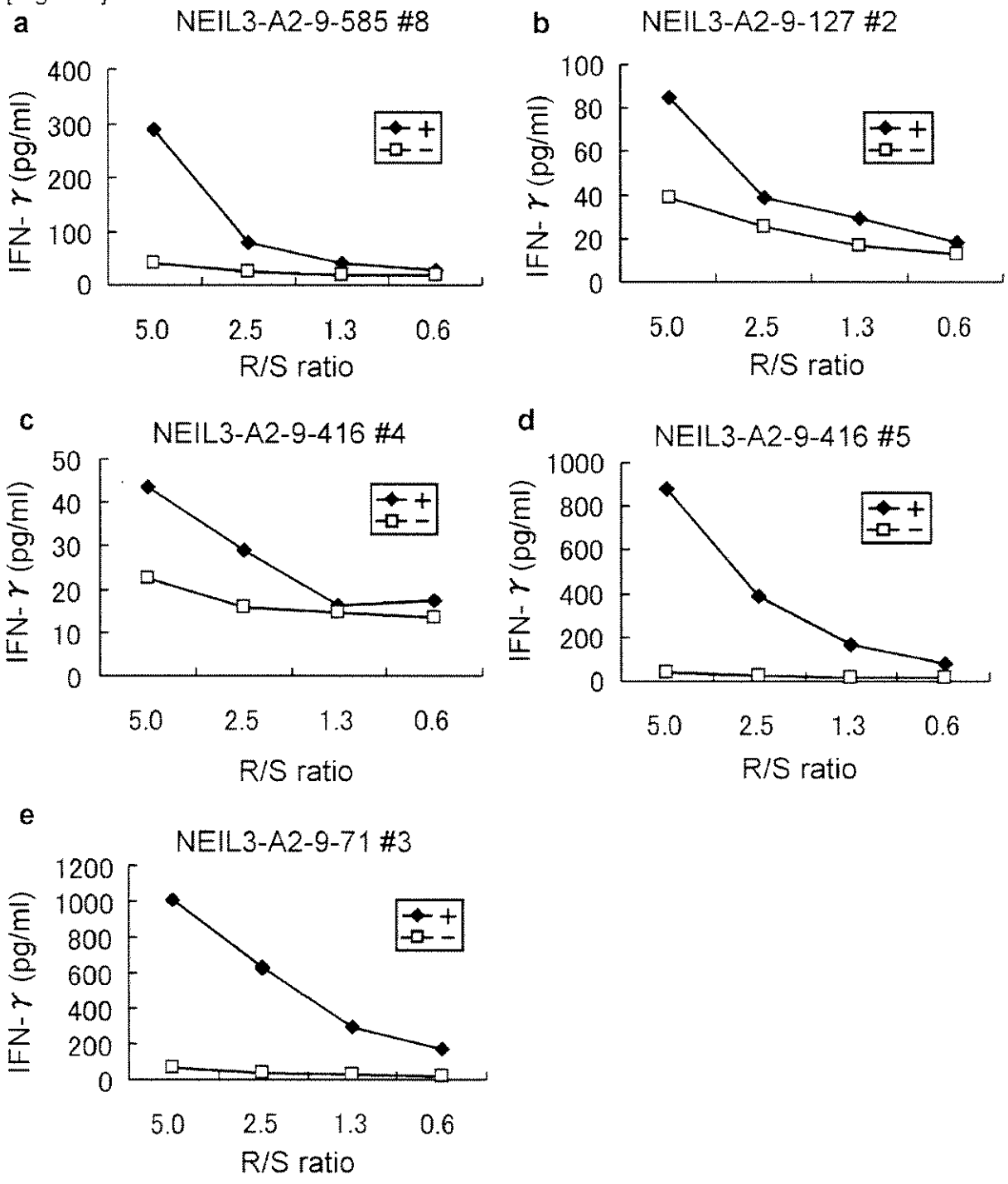
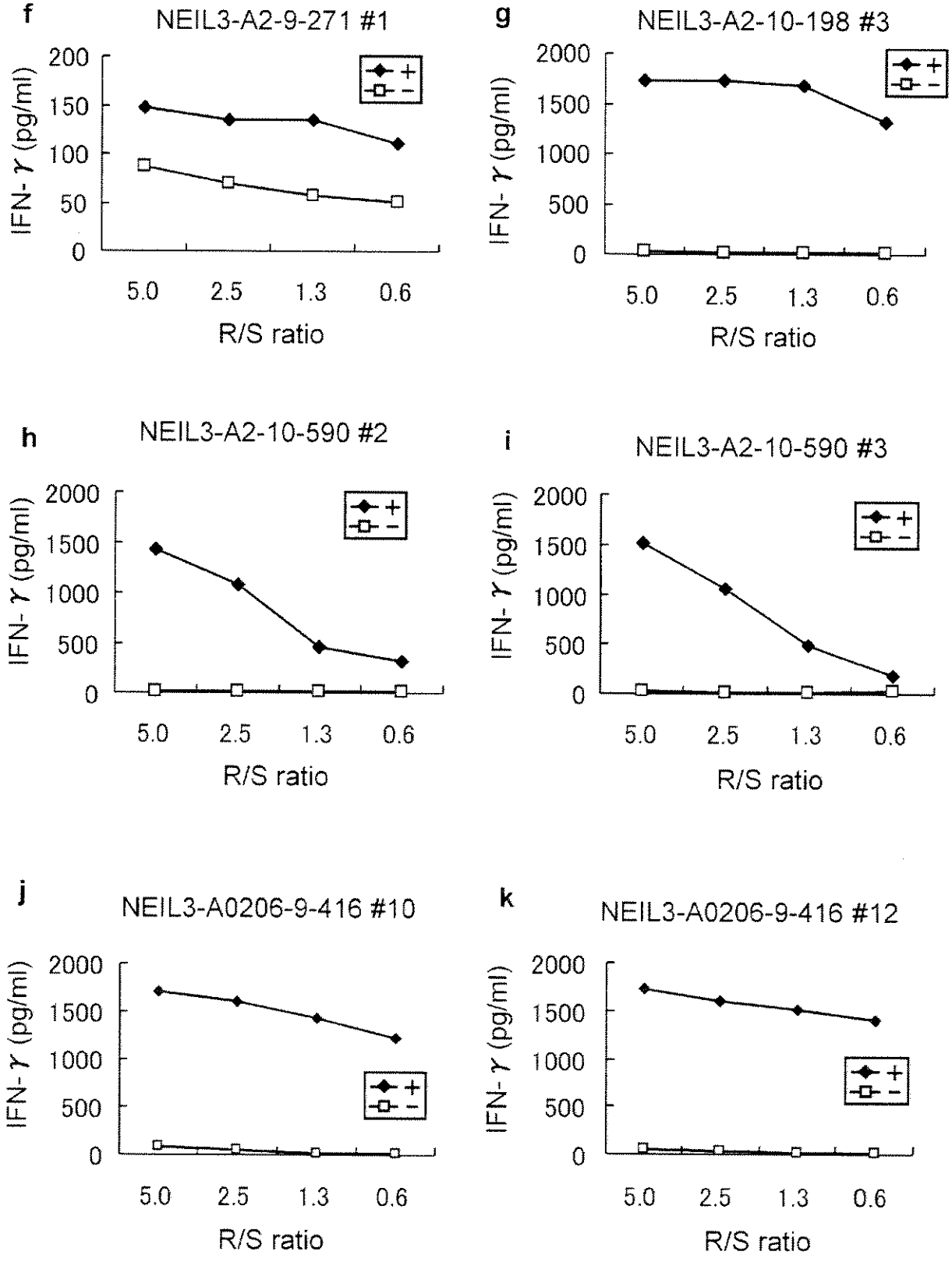
[Fig. 1]


a
NEIL3-A2
-9-585
b
NEIL3-A2
-9-127
c
NEIL3-A2
-9-416
d
NEIL3-A2
-9-71
e
NEIL3-A2
-9-271
f
NEIL3-A2
-10-198
g
NEIL3-A2
-10-340
h
NEIL3-A2
-10-590
i
NEIL3-A2
-10-378
j
NEIL3-A0206
-9-416
+
—
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

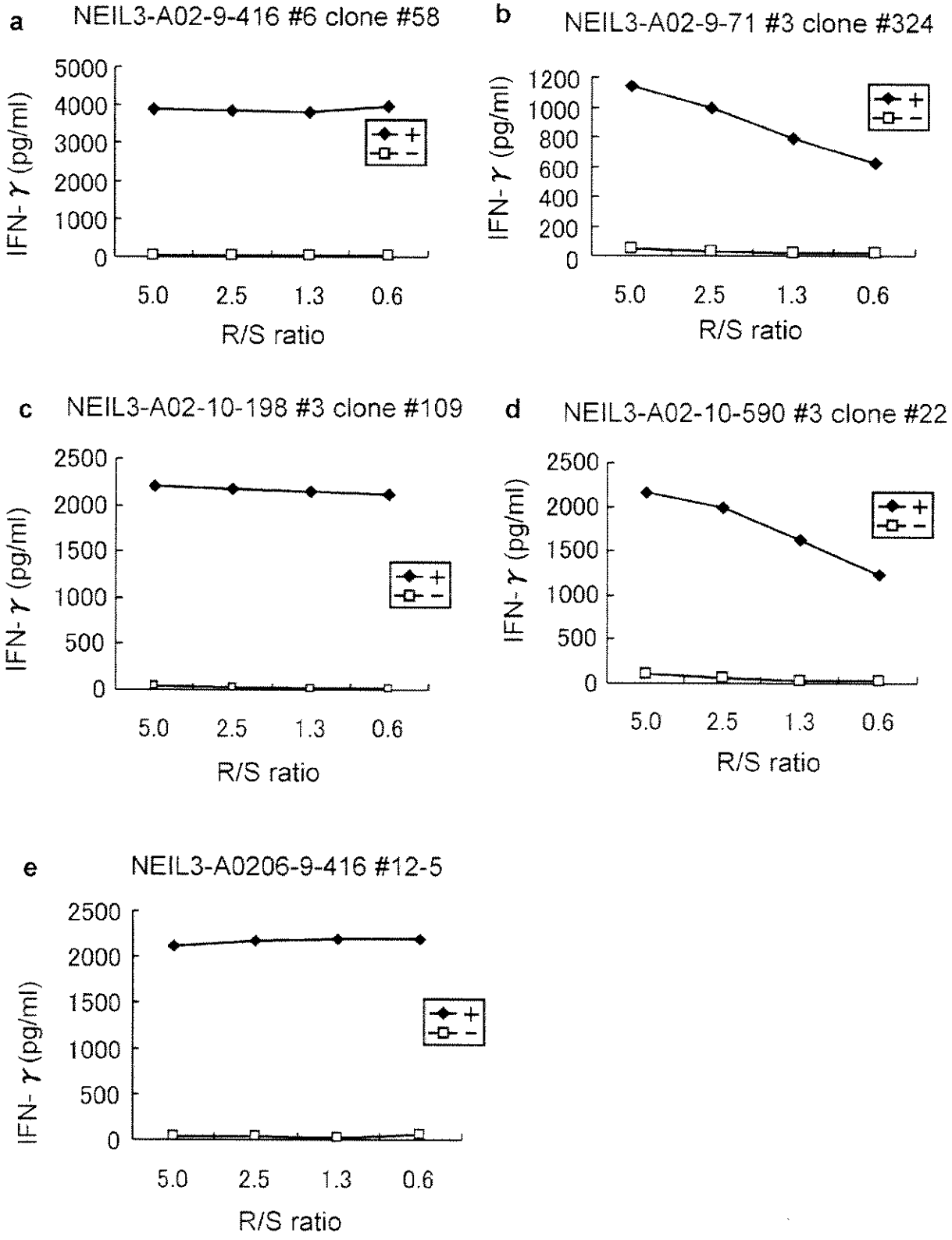
[Fig. 2-1]


a
NEIL3-A2-9-585 #8
IFN-γ (pg/ml)
400
300
200
100
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
b
NEIL3-A2-9-127 #2
IFN-γ (pg/ml)
100
80
60
40
20
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
c
NEIL3-A2-9-416 #4
IFN-γ (pg/ml)
50
40
30
20
10
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
d
NEIL3-A2-9-416 #5
IFN-γ (pg/ml)
1000
800
600
400
200
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
e
NEIL3-A2-9-71 #3
IFN-γ (pg/ml)
1200
1000
800
600
400
200
0
5.0
2.5
1.3
0.6
R/S ratio
+
−

[Fig. 2-2]

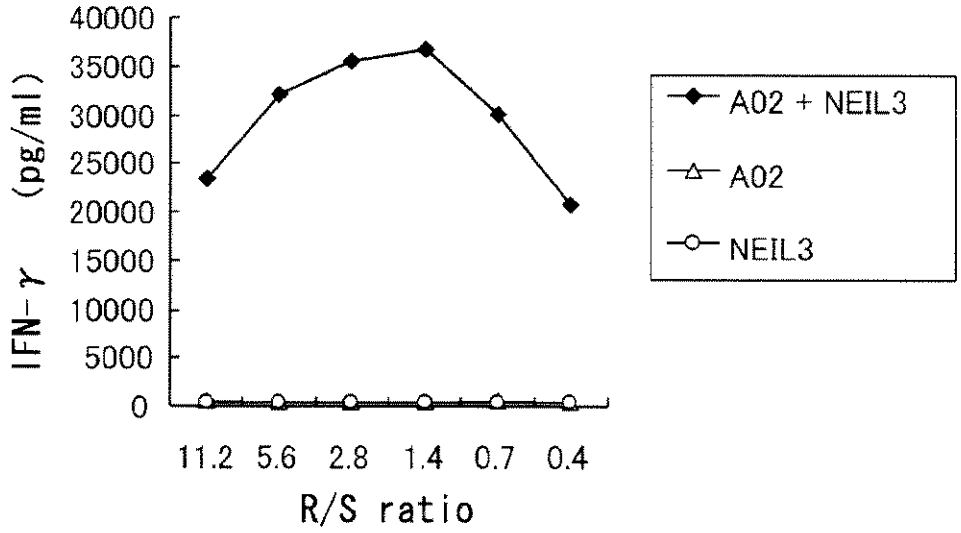

f
NEIL3-A2-9-271 #1
IFN- γ (pg/ml)
200
150
100
50
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
g
NEIL3-A2-10-198 #3
IFN- γ (pg/ml)
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
h
NEIL3-A2-10-590 #2
IFN- γ (pg/ml)
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
i
NEIL3-A2-10-590 #3
IFN- γ (pg/ml)
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
j
NEIL3-A0206-9-416 #10
IFN- γ (pg/ml)
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
k
NEIL3-A0206-9-416 #12
IFN- γ (pg/ml)
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
−

[Fig. 3]

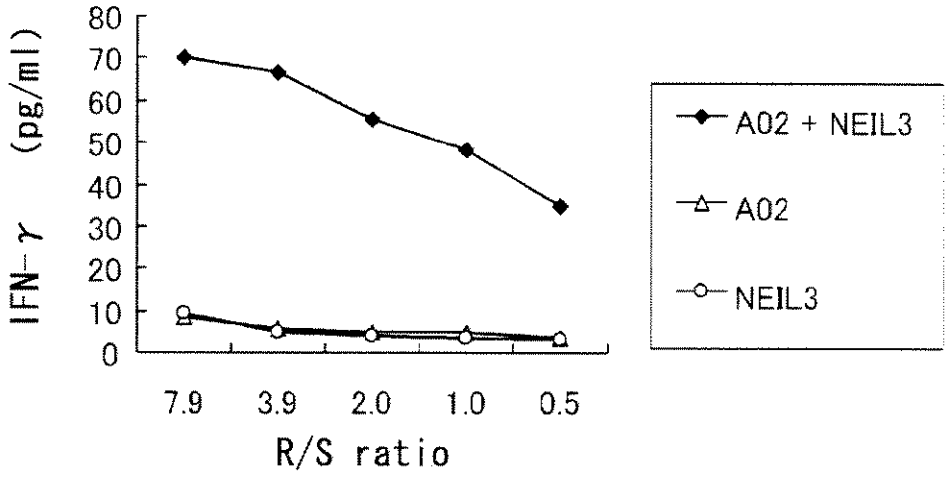

a
NEIL3-A02-9-416 #6 clone #58
IFN-γ (pg/ml)
5000
4000
3000
2000
1000
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
b
NEIL3-A02-9-71 #3 clone #324
IFN-γ (pg/ml)
1200
1000
800
600
400
200
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
c
NEIL3-A02-10-198 #3 clone #109
IFN-γ (pg/ml)
2500
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
d
NEIL3-A02-10-590 #3 clone #22
IFN-γ (pg/ml)
2500
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
e
NEIL3-A0206-9-416 #12-5
IFN-γ (pg/ml)
2500
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
-

[Fig. 4-1]

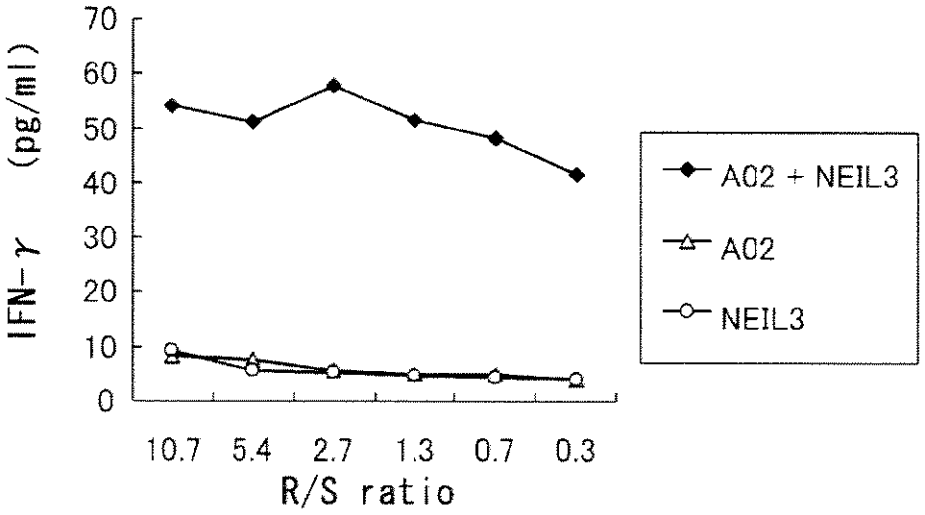
a NEIL3-A02-9-416 clone #6-58 COS7



b NEIL3-A02-9-71 clone #3-324 COS7

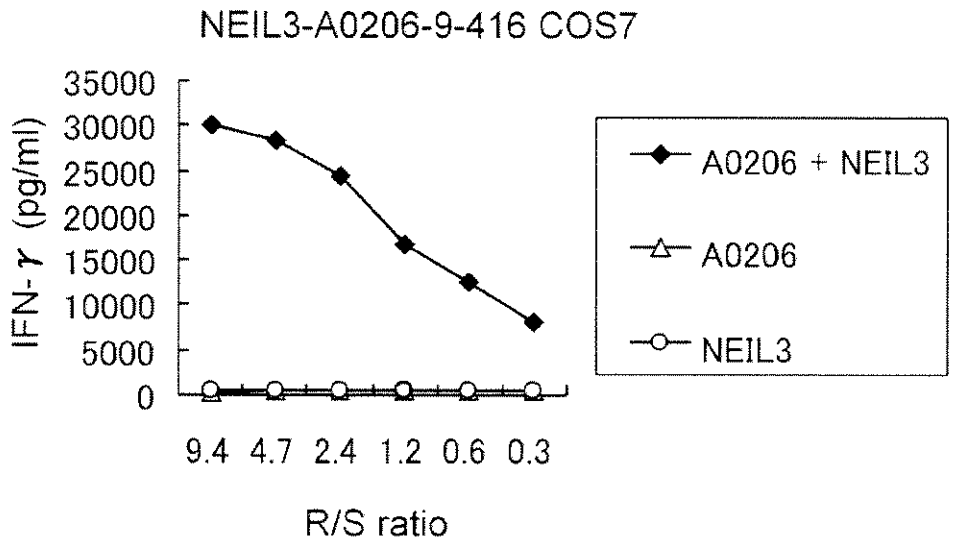


c NEIL3-A02-10-198 clone #3-109 COS7



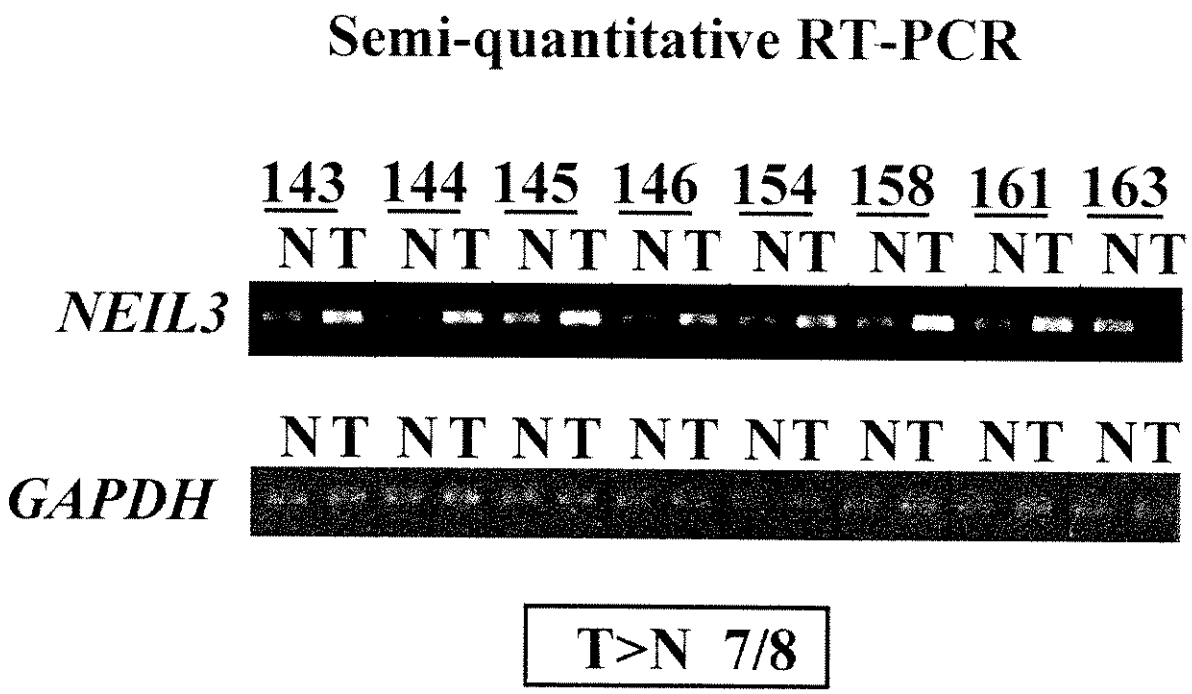
[Fig. 4-2]

d

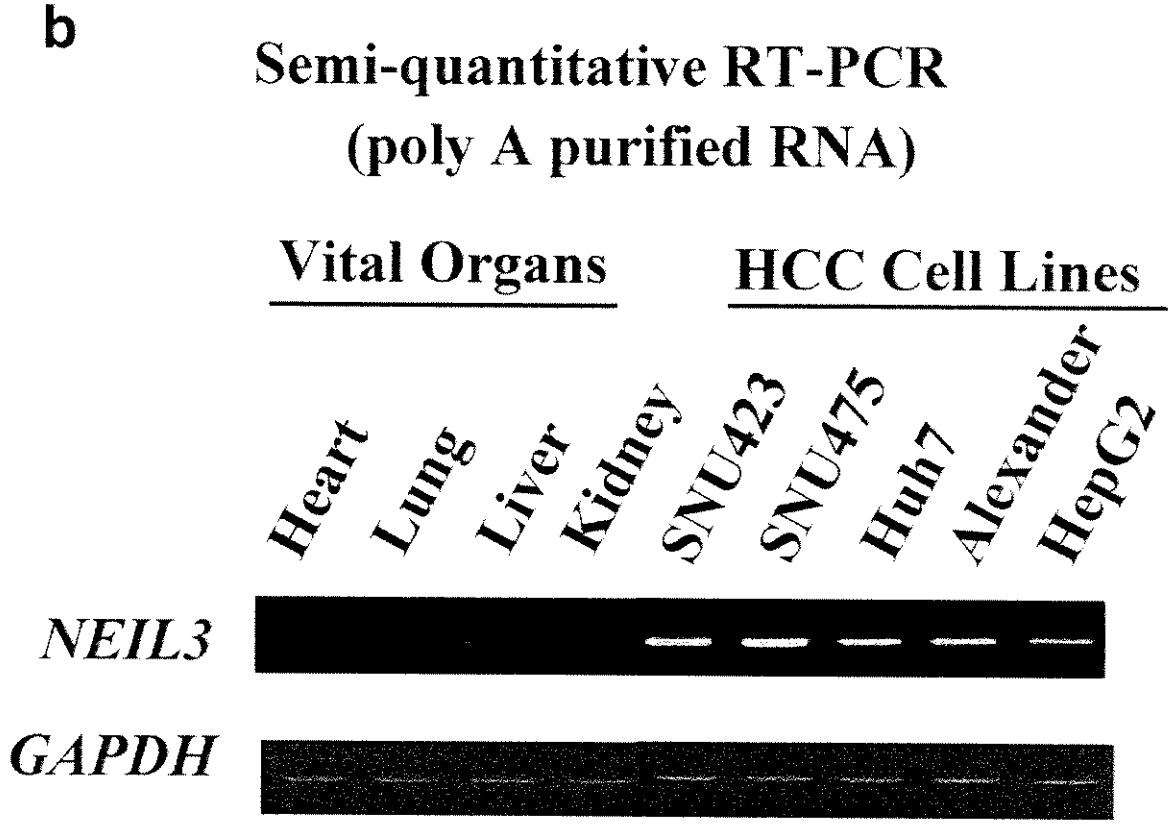

NEIL3-A0206-9-416 COS7
IFN-γ (pg/ml)
35000
30000
25000
20000
15000
10000
5000
0
9.4 4.7 2.4 1.2 0.6 0.3
R/S ratio
A0206 + NEIL3
A0206
NEIL3

[Fig. 5]

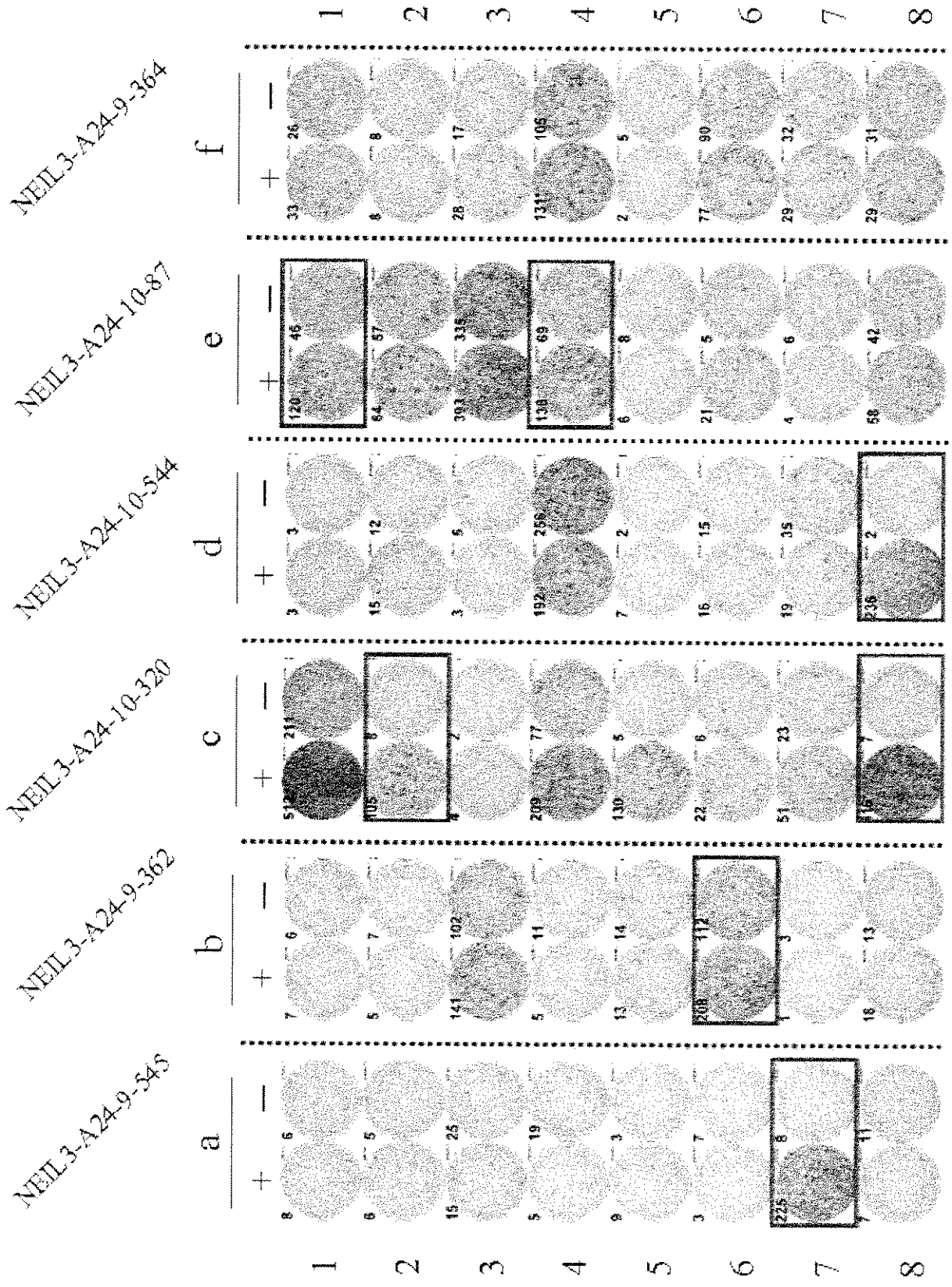
a


Semi-quantitative RT-PCR
143 144 145 146 154 158 161 163
N T N T N T N T N T N T N T N T
NEIL3
N T N T N T N T N T N T N T N T
GAPDH
T>N 7/8

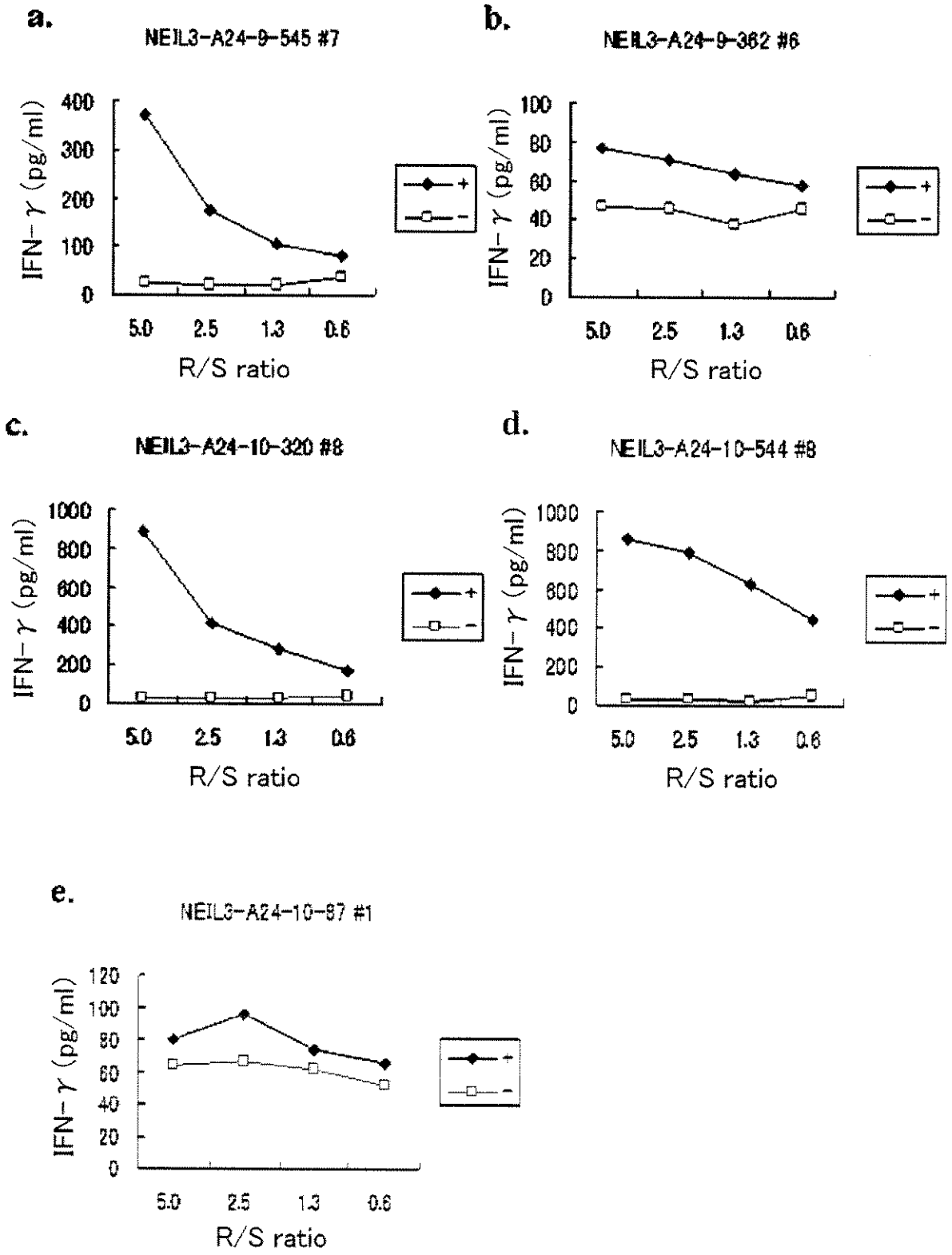
b


Semi-quantitative RT-PCR
(poly A purified RNA)
Vital Organs
HCC Cell Lines
Heart
Lung
Liver
Kidney
SNU423
SNU475
Huh7
Alexander
HepG2
NEIL3
GAPDH

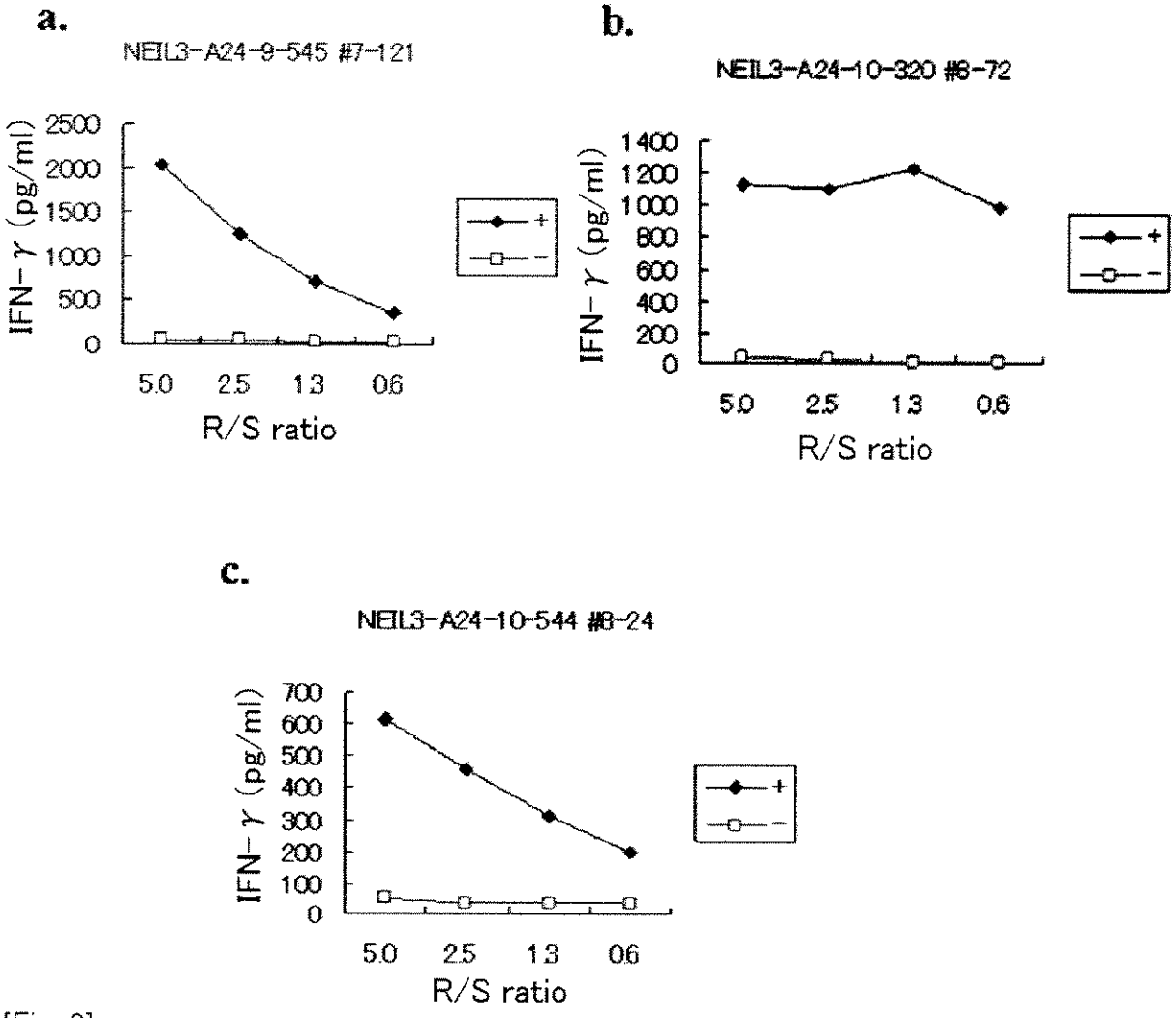
[Fig. 6]


NEIL3-A24-9-364
NEIL3-A24-10-87
NEIL3-A24-10-544
NEIL3-A24-10-320
NEIL3-A24-9-362
NEIL3-A24-9-545
a
b
c
d
e
f
+
—
1
2
3
4
5
6
7
8

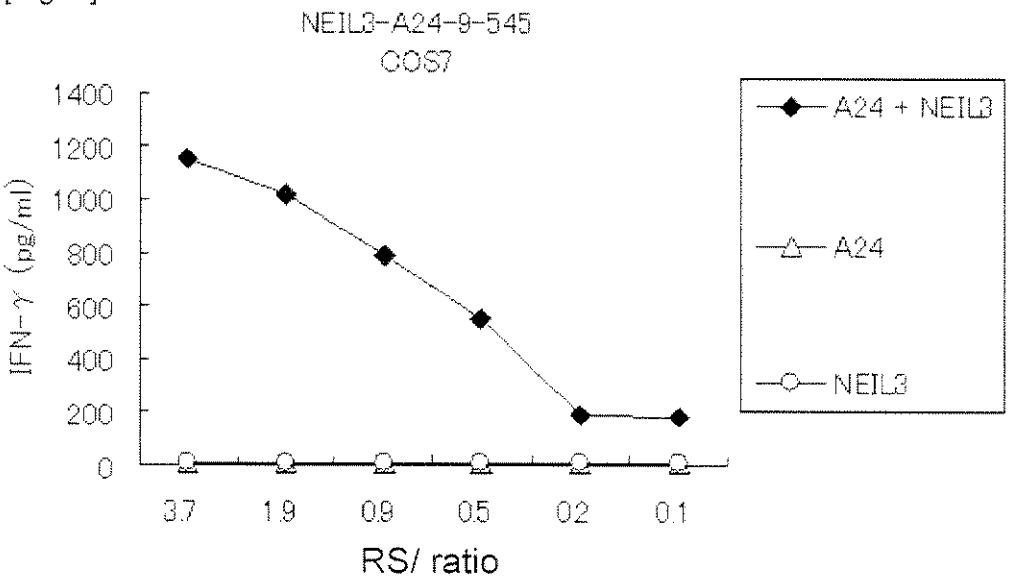
[Fig. 7]


a.
NEIL3-A24-9-545 #7
IFN-γ (pg/ml)
400
300
200
100
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
b.
NEIL3-A24-9-362 #6
IFN-γ (pg/ml)
100
80
60
40
20
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
c.
NEIL3-A24-10-320 #8
IFN-γ (pg/ml)
1000
800
600
400
200
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
d.
NEIL3-A24-10-544 #8
IFN-γ (pg/ml)
1000
800
600
400
200
0
5.0
2.5
1.3
0.6
R/S ratio
+
-
e.
NEIL3-A24-10-87 #1
IFN-γ (pg/ml)
120
100
80
60
40
20
0
5.0
2.5
1.3
0.6
R/S ratio
+
-

[Fig. 8]


a.
NEIL3-A24-9-545 #7-121
IFN-γ (pg/ml)
2500
2000
1500
1000
500
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
b.
NEIL3-A24-10-320 #6-72
IFN-γ (pg/ml)
1400
1200
1000
800
600
400
200
0
5.0
2.5
1.3
0.6
R/S ratio
+
−
c.
NEIL3-A24-10-544 #8-24
IFN-γ (pg/ml)
700
600
500
400
300
200
100
0
5.0
2.5
1.3
0.6
R/S ratio
+
−

[Fig. 9]


NEIL3-A24-9-545
COS7
IFN-γ (pg/ml)
1400
1200
1000
800
600
400
200
0
3.7
1.9
0.9
0.5
0.2
0.1
RS/ ratio
A24 + NEIL3
A24
NEIL3