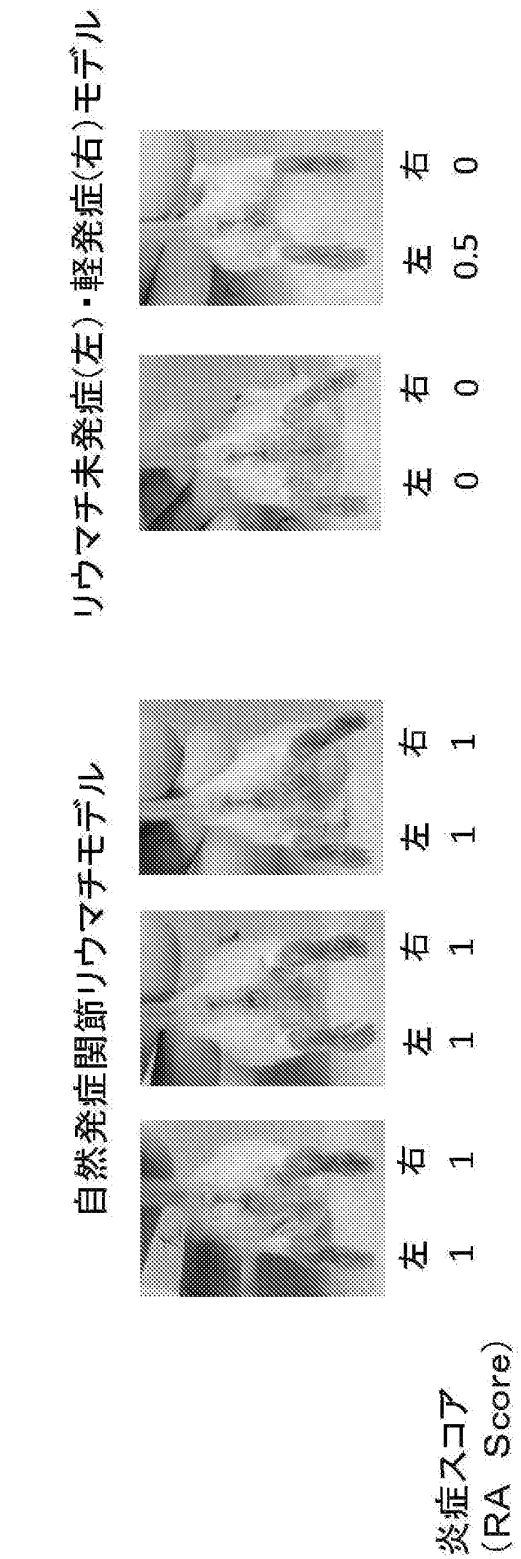
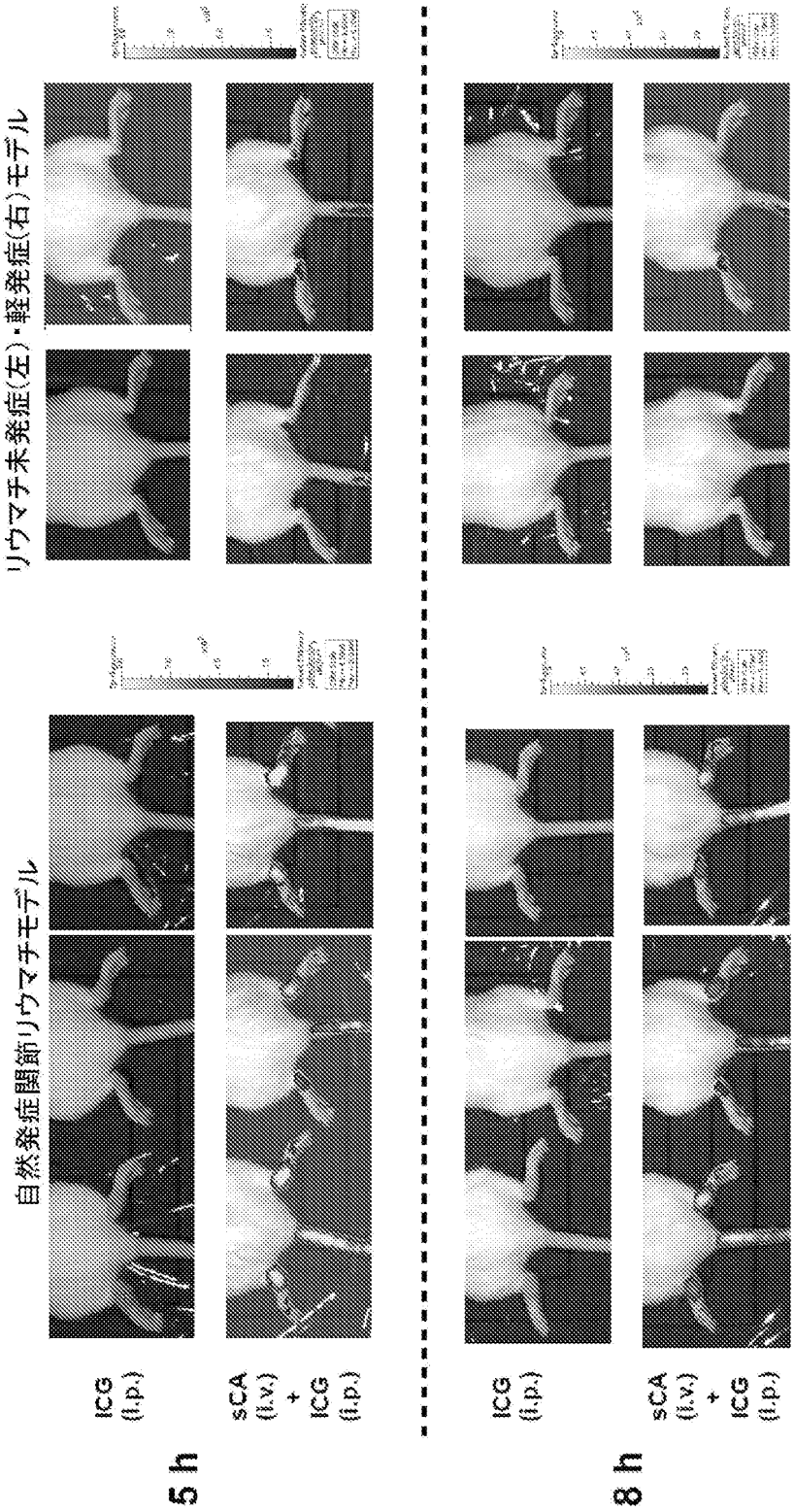
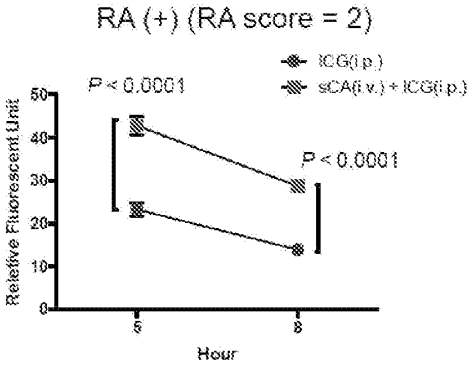
[図1]


リウマチ未発症(左)・軽発症(右)モデル
左 右
0 0
左 右
0.5 0
自然発症関節リウマチモデル
左 右
1 1
左 右
1 1
左 右
1 1
炎症スコア
(RA Score)

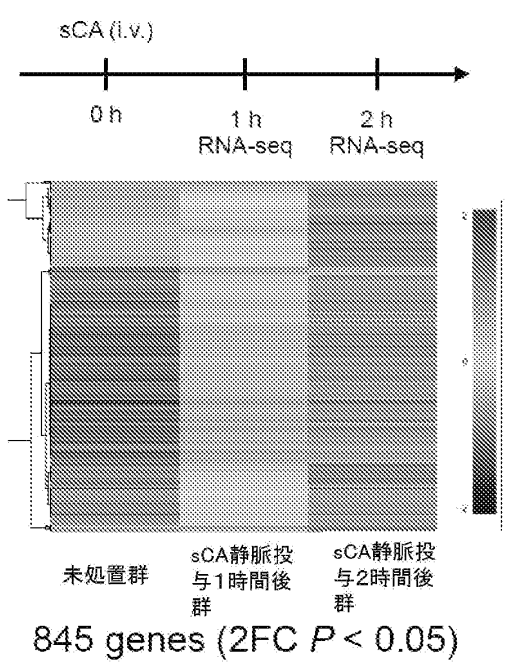
[図2]



[図3]



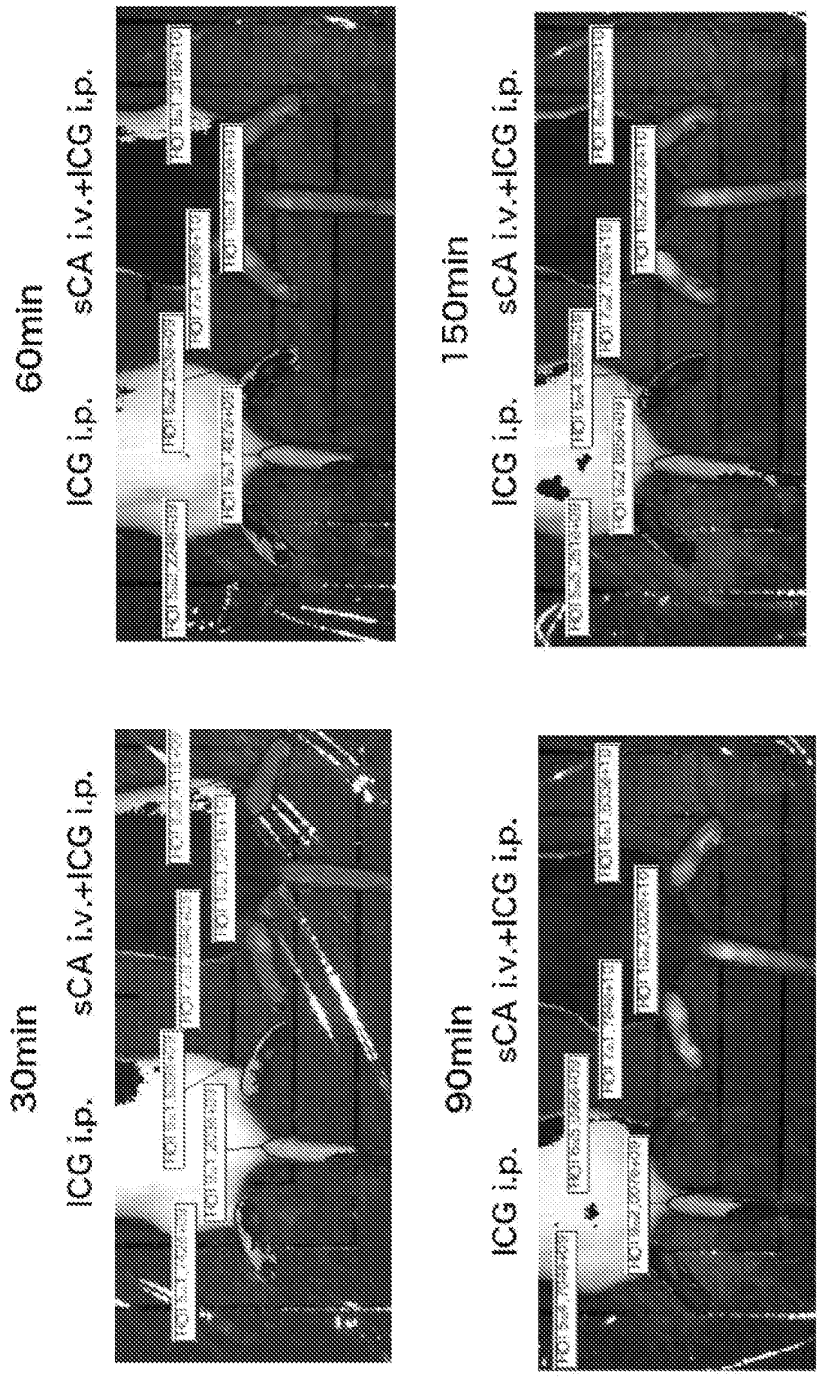
[図4]



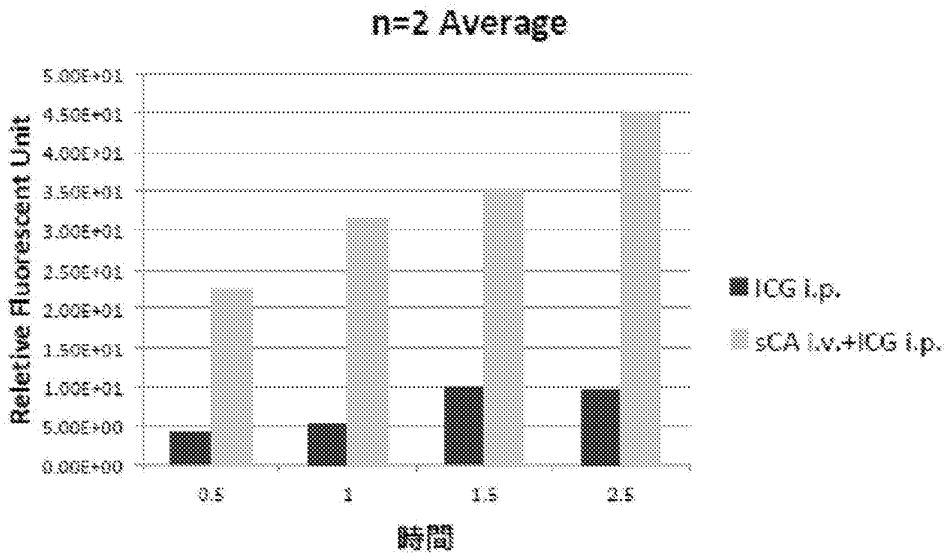
IPA upstream regulator analysis of the 845 genes

Upstream Regulator	Predicted Activation State	Activation z-score
HIF1A	Activated	5.363
NFkB	Activated	4.962
EGF	Activated	4.302
VEGF	Activated	4.043
prostaglandin E2	Activated	3.062
reactive oxygen species	Activated	2.93
TNF	Activated	2.635
PTGS2/COX2	Activated	2.369
NOS1	Activated	2.000

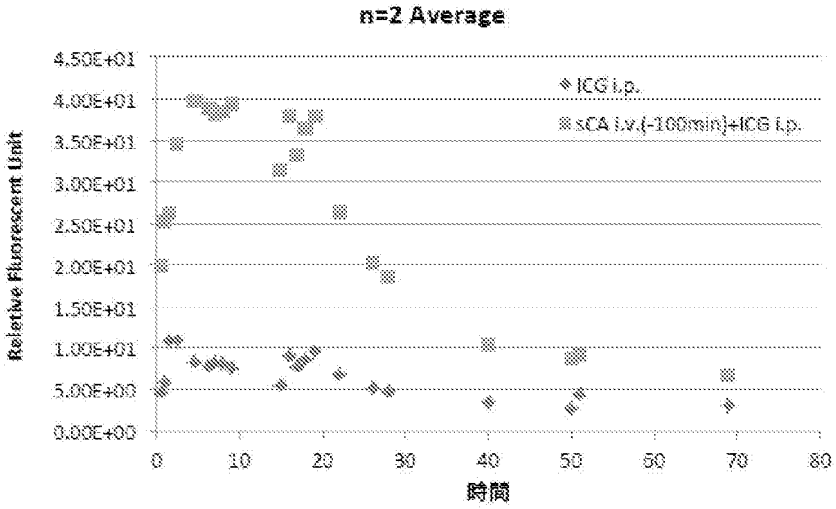
[図5]


60min
ICG i.p. sCA i.v.+ICG i.p.
150min
ICG i.p. sCA i.v.+ICG i.p.
30min
ICG i.p. sCA i.v.+ICG i.p.
90min
ICG i.p. sCA i.v.+ICG i.p.

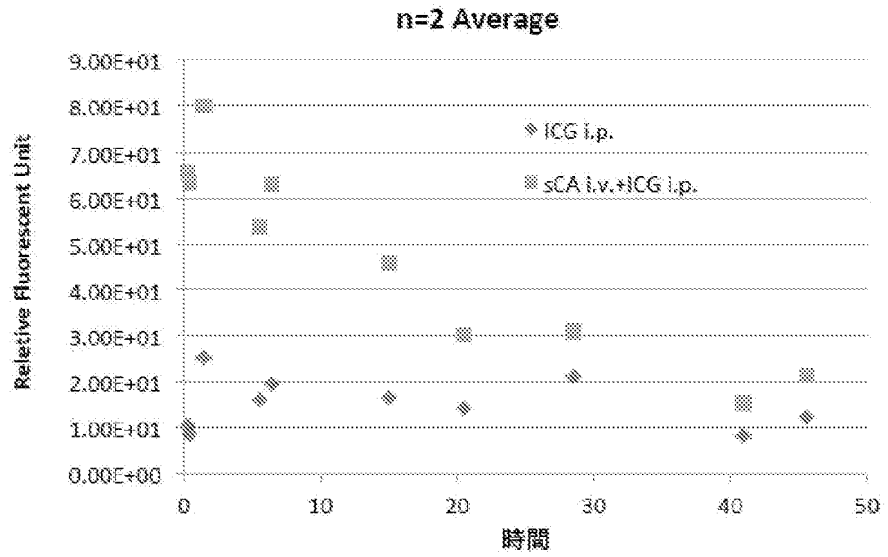
[図6]


n=2 Average
Reletive Fluorescent Unit
5.00E+01
4.50E+01
4.00E+01
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
0.5
1
1.5
2.5
時間
ICG i.p.
sCA i.v.+ICG i.p.

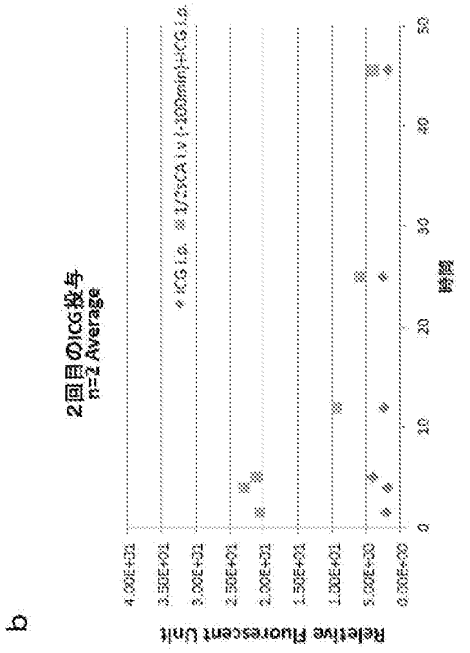
[図7]

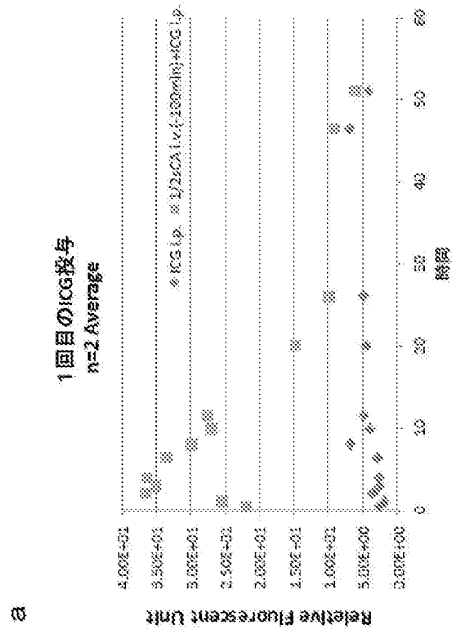

n=2 Average
Reletive Fluorescent Unit
4.50E+01
4.00E+01
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
0
10
20
30
40
50
60
70
80
時間
ICG i.p.
sCA i.v.(-100min)+ICG i.p.

[図8]

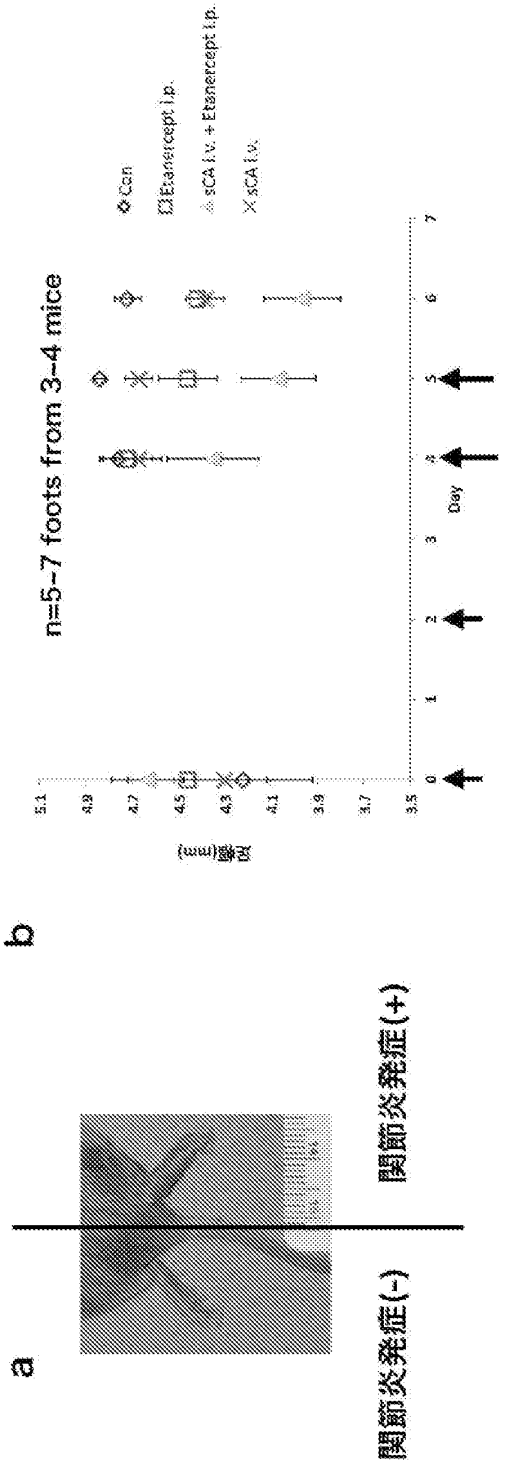

n=2 Average
Relative Fluorescent Unit
9.00E+01
8.00E+01
7.00E+01
6.00E+01
5.00E+01
4.00E+01
3.00E+01
2.00E+01
1.00E+01
0.00E+00
ICG i.p.
sCA i.v.+ICG i.p.
0
10
20
30
40
50
時間

[図9]


b
2回目のICG投与
n=2 Average
Relative Fluorescent Unit
時間
ICG i.v.
1/2xCA1 i.v.(+120min)+ICG i.v.
4.00E+01
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
0
10
20
30
40
50


a
1回目のICG投与
n=2 Average
Relative Fluorescent Unit
時間
ICG i.v.
1/2xCA1 i.v.(+120min)+ICG i.v.
4.00E+01
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
0
10
20
30
40
50
60

[図10]


b
n=5-7 foots from 3-4 mice
Con
Etanercept i.p.
sCA i.v. + Etanercept i.p.
sCA i.v.
腫脹(mm)
5.1
4.9
4.7
4.5
4.3
4.1
3.9
3.7
3.5
0
1
2
3
4
5
6
7
Day
a
関節炎発症(-)
関節炎発症(+)

[図11]

