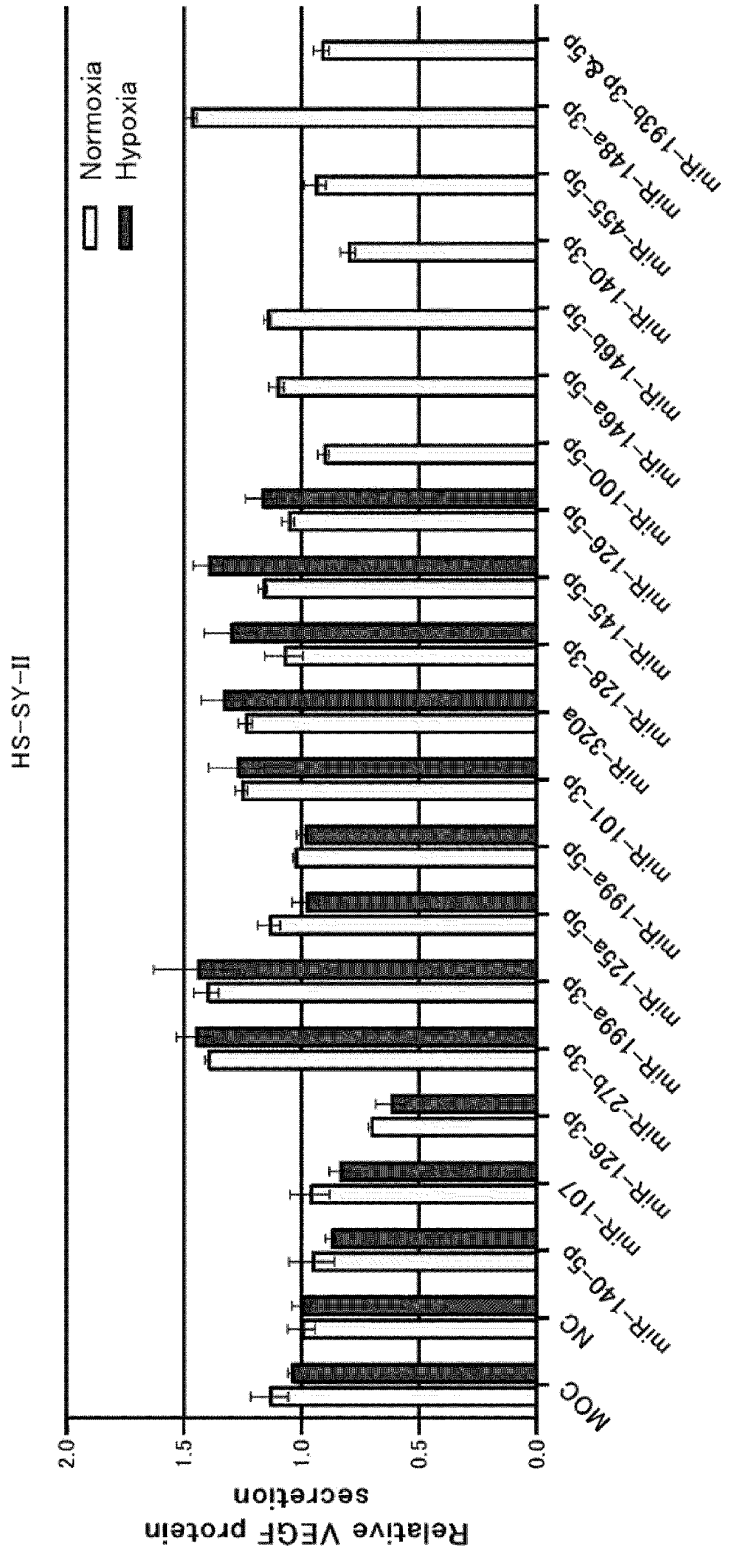
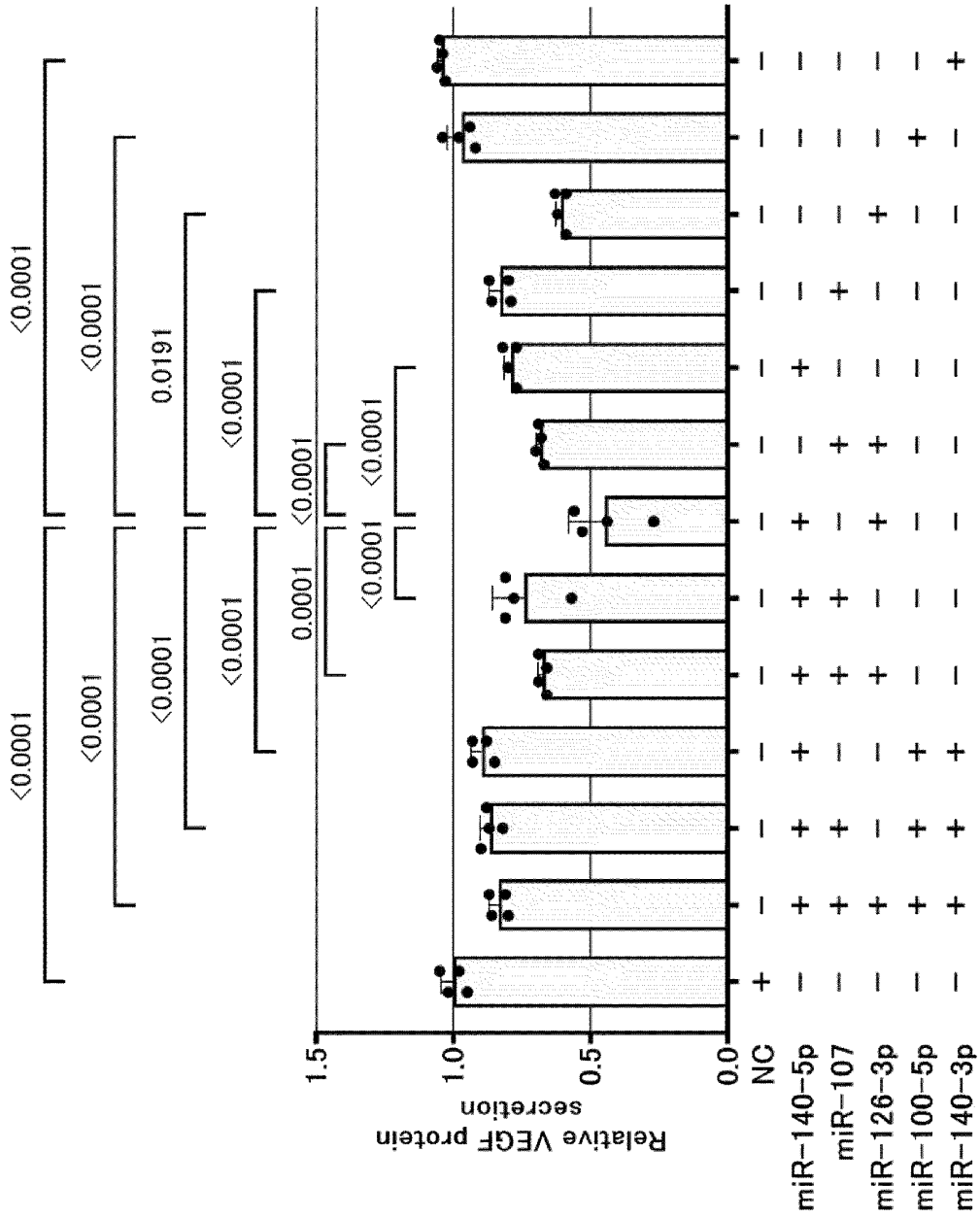
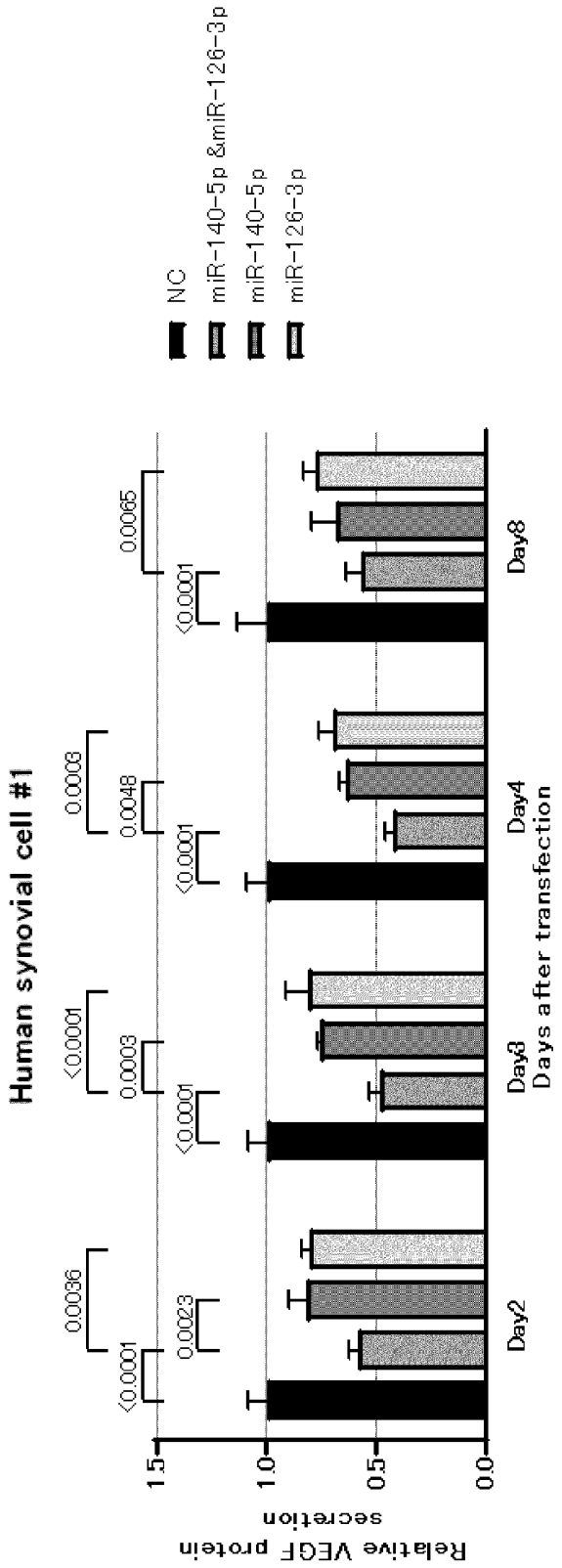
[図1]


HS-SY-II
Normoxia
Hypoxia
Relative VEGF protein secretion
2.0
1.5
1.0
0.5
0.0
MOC
NC
miR-140-5p
miR-107
miR-126-3p
miR-27b-3p
miR-199a-3p
miR-125a-5p
miR-199a-5p
miR-101-3p
miR-320a
miR-128-3p
miR-145-5p
miR-126-5p
miR-100-5p
miR-146a-5p
miR-146b-5p
miR-140-3p
miR-455-5p
miR-148a-3p
miR-193b-3p&5p

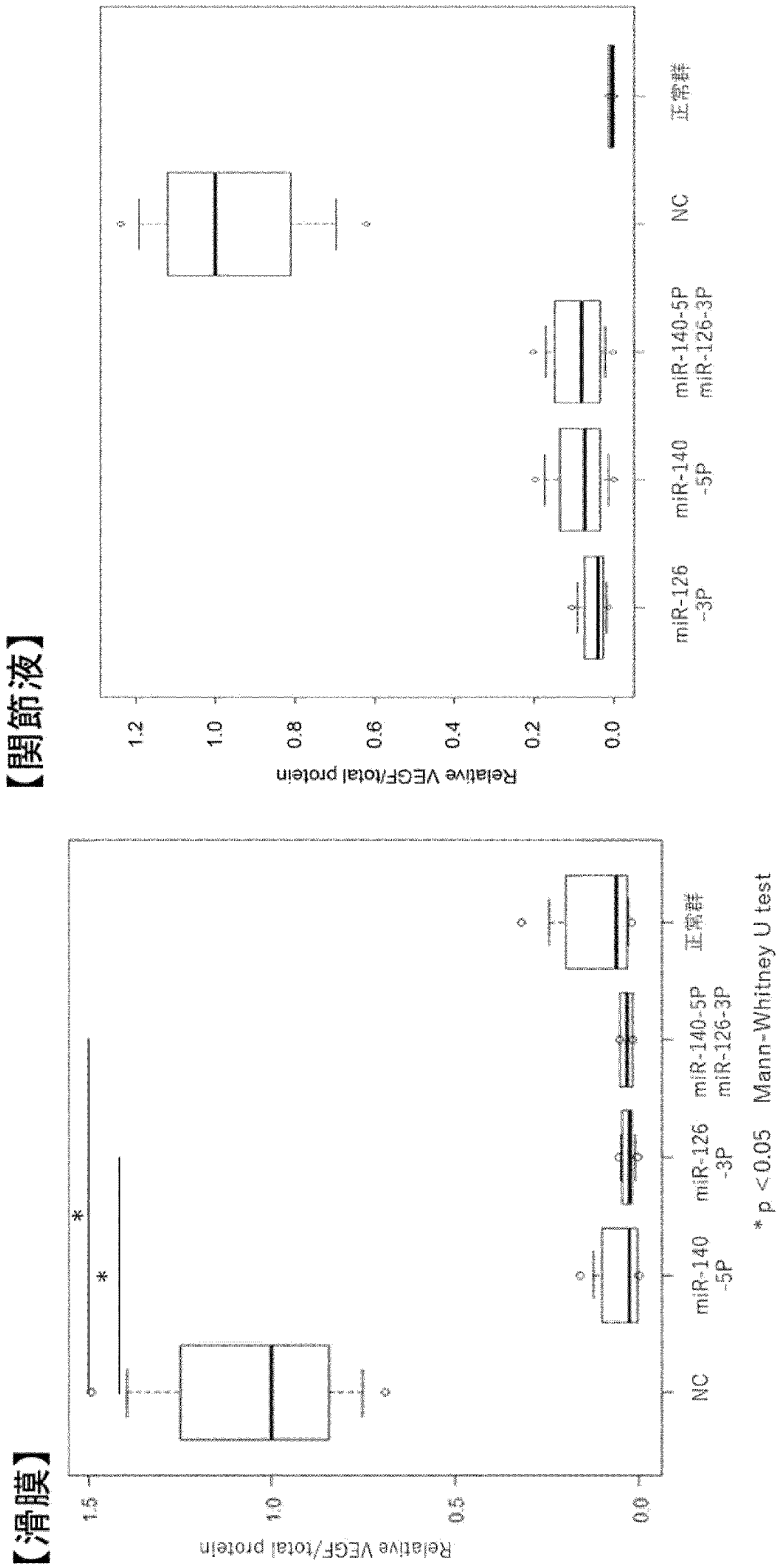
[図2]


<0.0001
<0.0001
<0.0001
<0.0001
0.0191
<0.0001
<0.0001
<0.0001
0.0001
<0.0001
<0.0001
Relative VEGF protein secretion
1.5
1.0
0.5
0.0
NC
miR-140-5p
miR-107
miR-126-3p
miR-100-5p
miR-140-3p

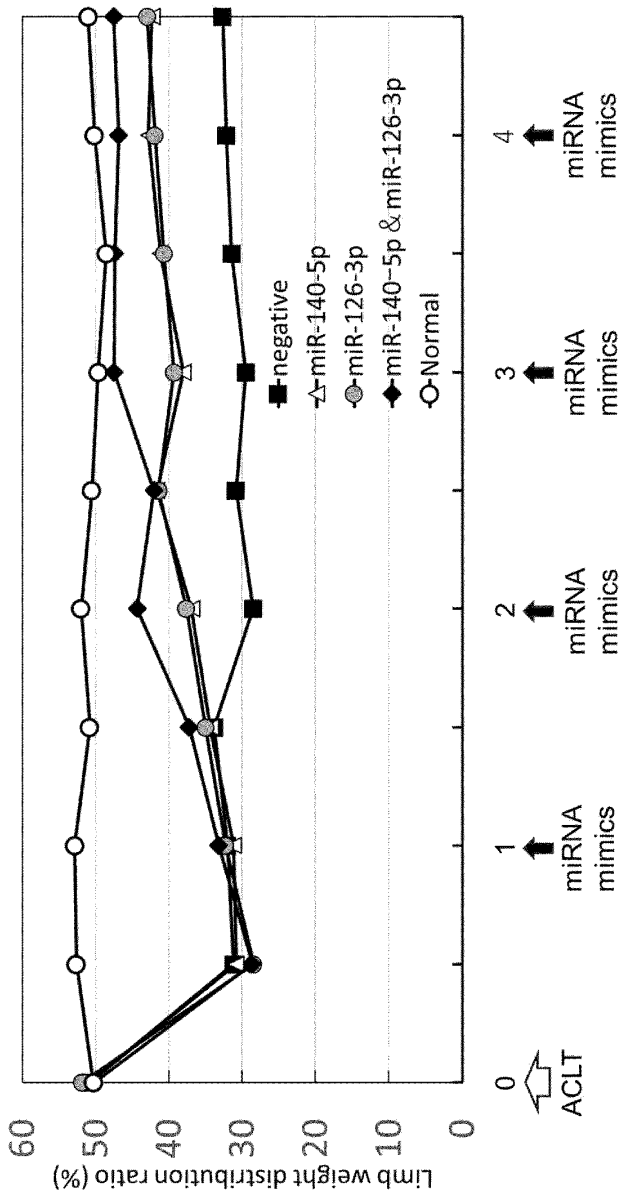
[図3]


NC
miR-140-5p &miR-126-3p
miR-140-5p
miR-126-3p
Human synovial cell #1
Relative VEGF protein secretion
1.5
1.0
0.5
0.0
<0.0001
0.0036
0.0023
<0.0001
0.0003
<0.0001
0.0048
0.0008
<0.0001
0.0065
Day2
Day3
Day4
Day8
Days after transfection

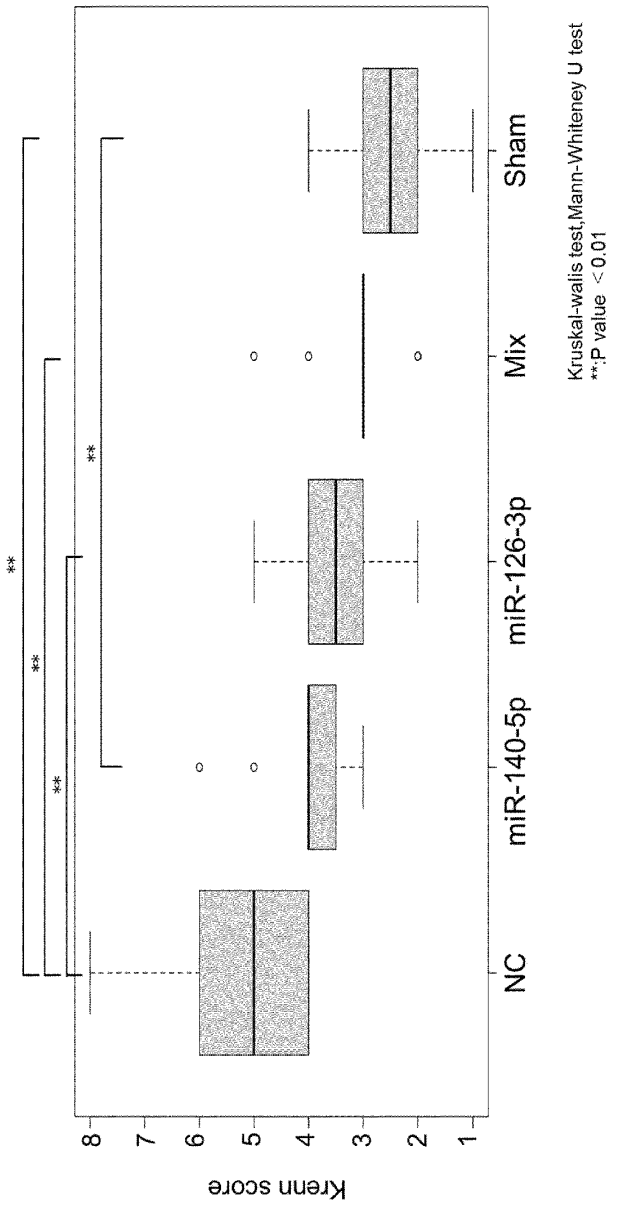
[図4]


【関節液】
Relative VEGF/total protein
1.2
1.0
0.8
0.6
0.4
0.2
0.0
miR-126 -3P
miR-140 -5P
miR-140-5P miR-126-3P
NC
正常群
【滑膜】
Relative VEGF/total protein
1.5
1.0
0.5
0.0
NC
miR-140 -5P
miR-126 -3P
miR-140-5P miR-126-3P
正常群
* p < 0.05 Mann-Whitney U test

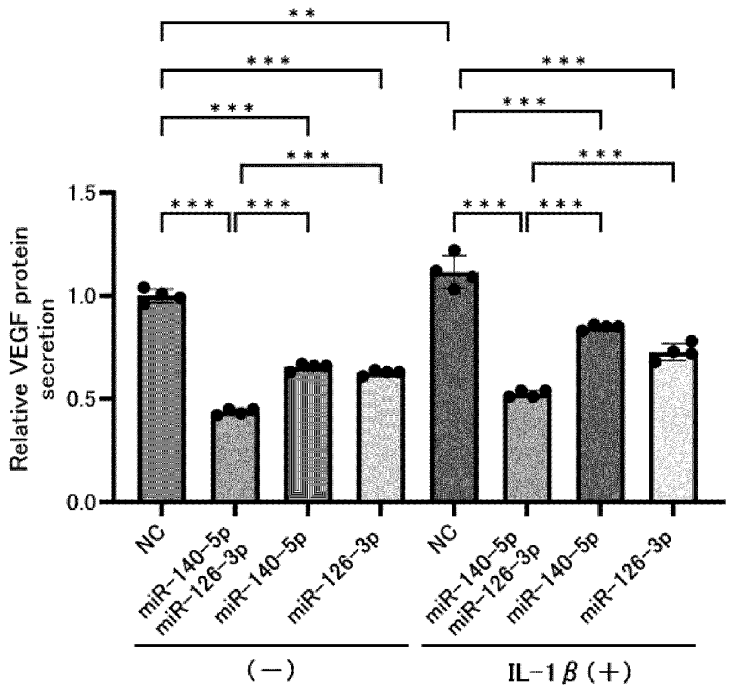
[図5]


Limb weight distribution ratio (%)
60
50
40
30
20
10
0
negative
miR-140-5p
miR-126-3p
miR-140-5p & miR-126-3p
Normal
0
ACLT
1
miRNA mimics
2
miRNA mimics
3
miRNA mimics
4
miRNA mimics

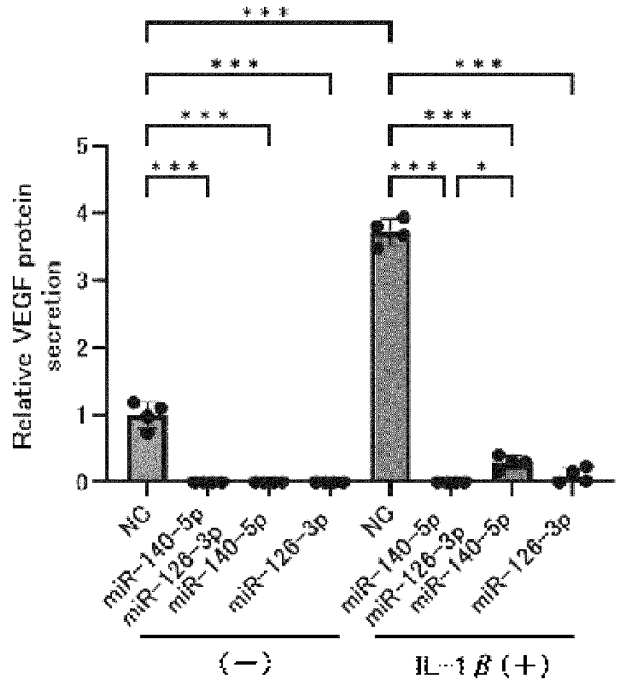
[図6]


Kruskal-walis test,Mann-Whiteney U test
**:P value ＜0.01
Krenn score
8
7
6
5
4
3
2
1
NC
miR-140-5p
miR-126-3p
Mix
Sham
**
**
**
**

[図7]


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***
***
***
***
***
***
1.5
1.0
0.5
0.0
Relative VEGF protein secretion
NC
miR-140-5p
miR-126-3p
miR-140-5p
miR-126-3p
NC
miR-140-5p
miR-126-3p
miR-140-5p
miR-126-3p
(−)
IL-1β (+)

[図8]


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***
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***
***
*
5
4
3
2
1
0
Relative VEGF protein secretion
NC
miR-140-5p
miR-126-3p
miR-140-5p
miR-126-3p
NC
miR-140-5p
miR-126-3p
miR-140-5p
miR-126-3p
(−)
IL-1β (+)