Fig. 1

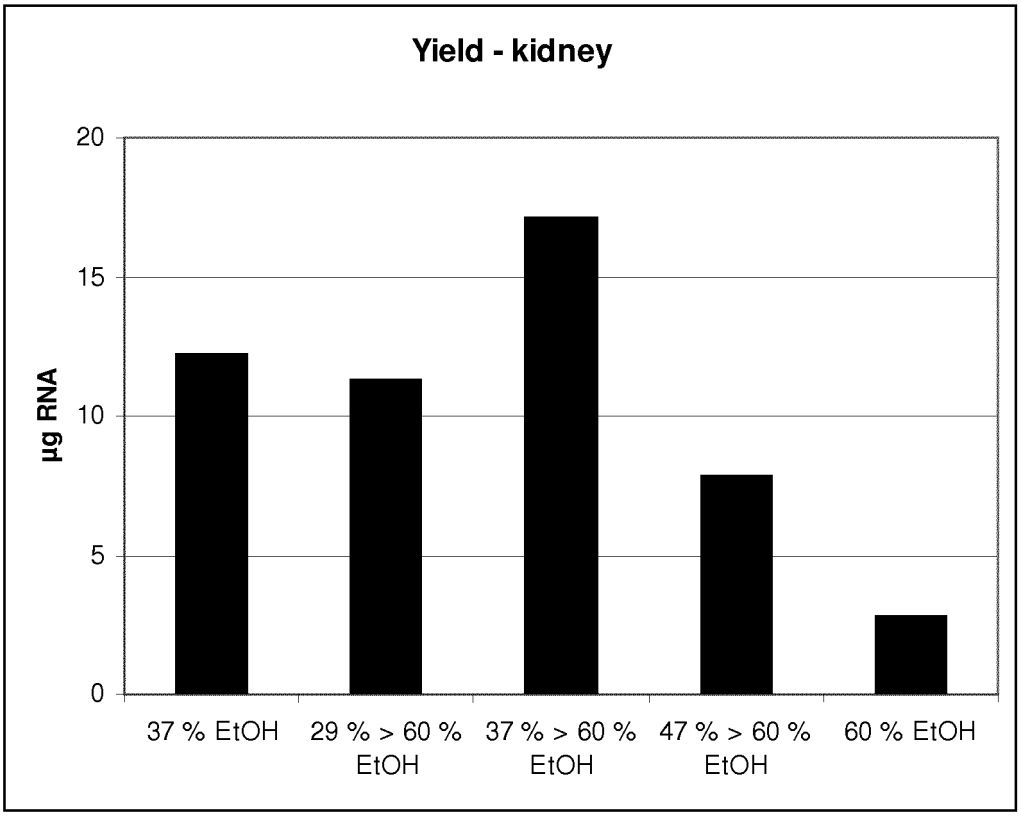

Yield - kidney
µg RNA
20
15
10
5
0
37 % EtOH
29 % > 60 % EtOH
37 % > 60 % EtOH
47 % > 60 % EtOH
60 % EtOH

Fig. 2

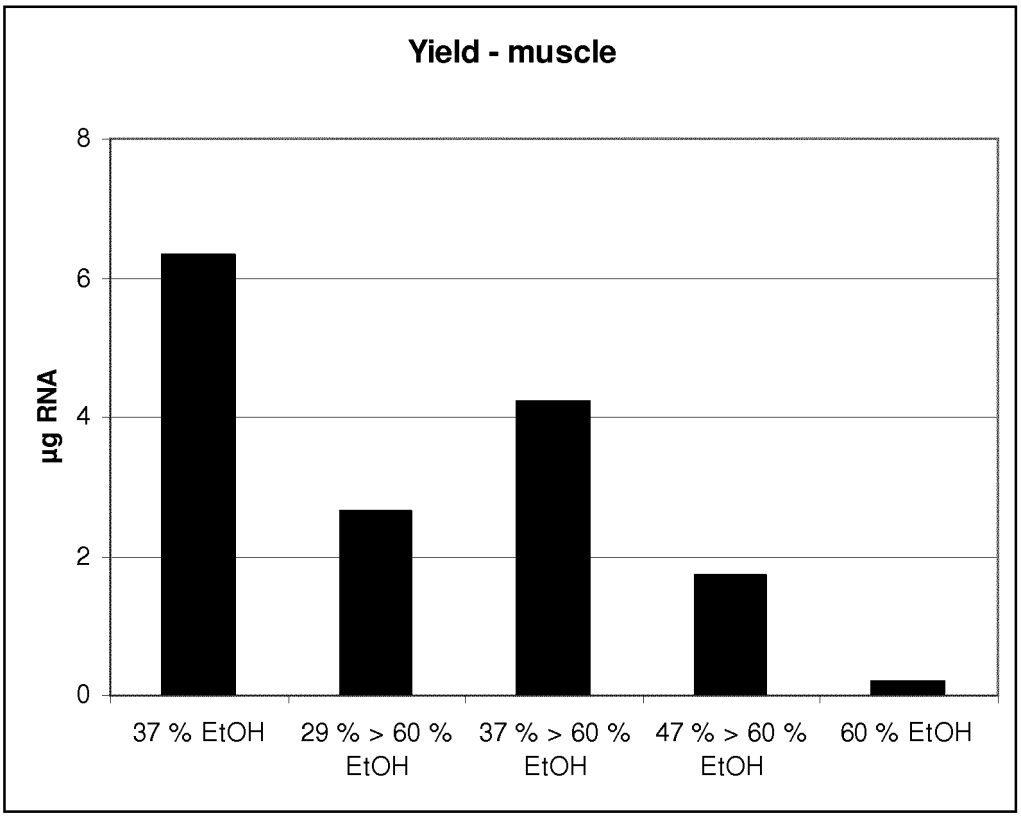

Yield - muscle
µg RNA
8
6
4
2
0
37 % EtOH
29 % > 60 % EtOH
37 % > 60 % EtOH
47 % > 60 % EtOH
60 % EtOH

Fig. 3

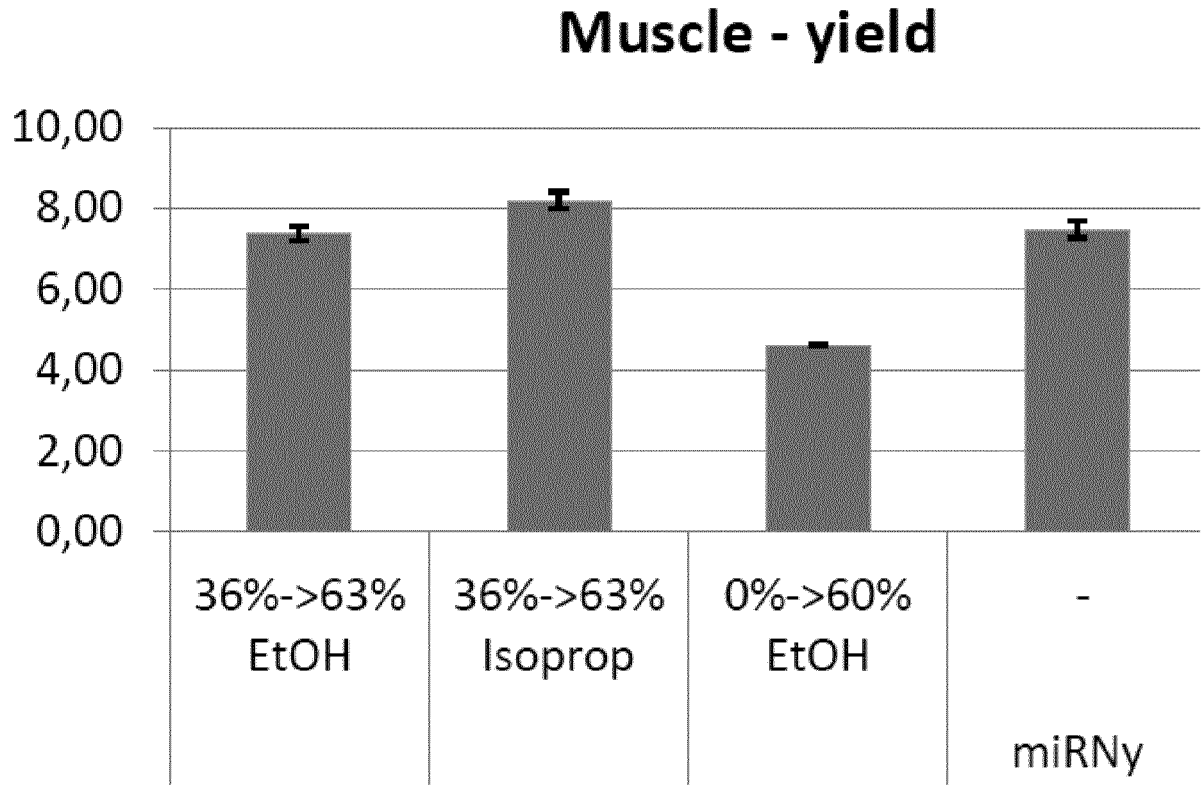

Muscle - yield
10,00
8,00
6,00
4,00
2,00
0,00
36%->63% EtOH
36%->63% Isoprop
0%->60% EtOH
-
miRNy

Fig. 4

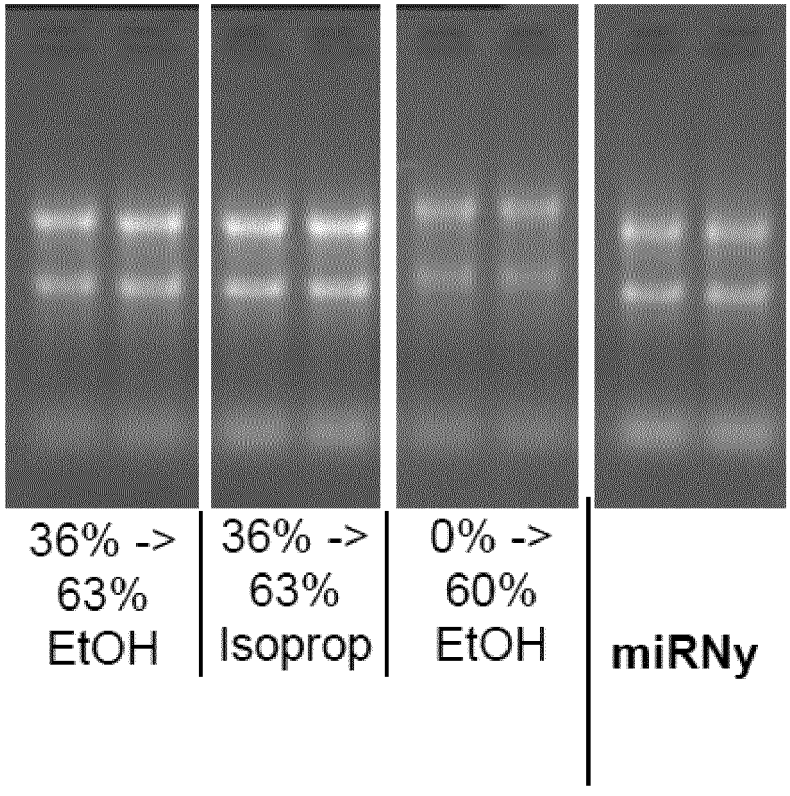

36% -> 63% EtOH
36% -> 63% Isoprop
0% -> 60% EtOH
miRNy

Fig. 5

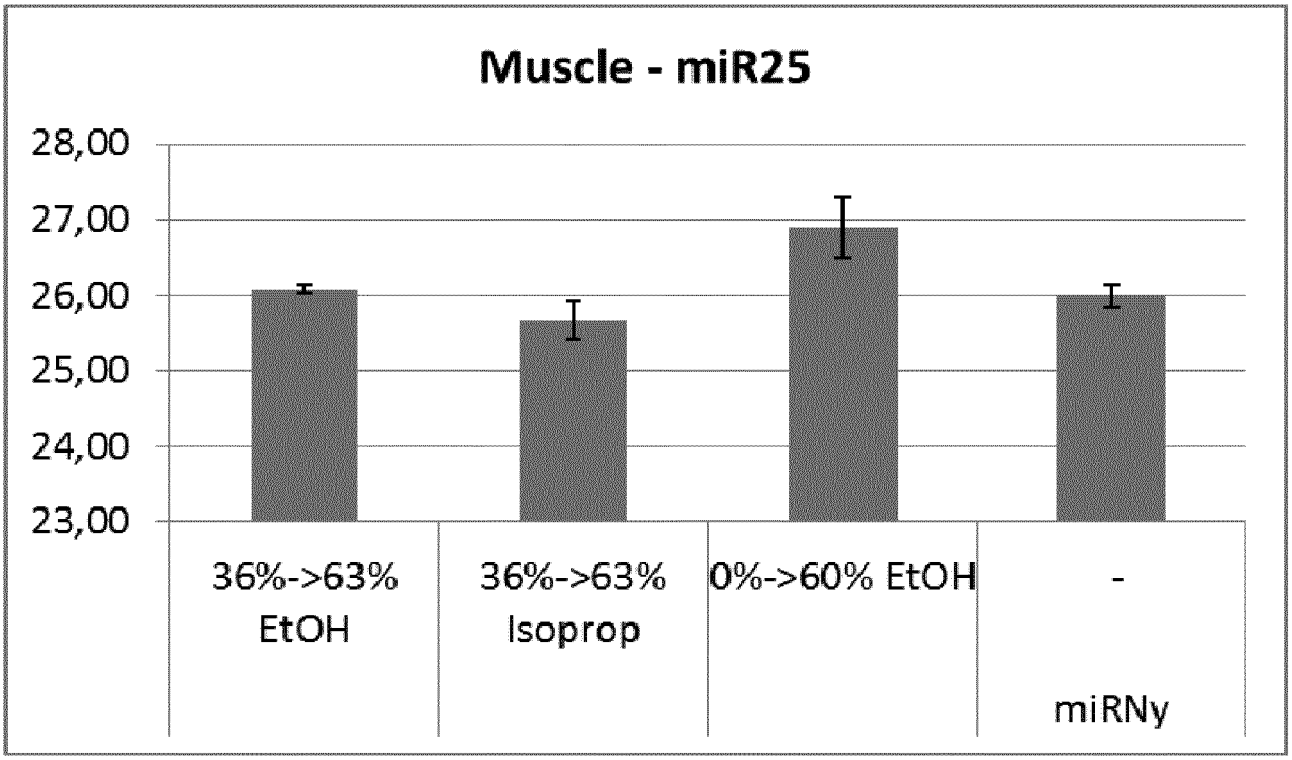

Muscle - miR25
28,00
27,00
26,00
25,00
24,00
23,00
36%->63% EtOH
36%->63% Isoprop
0%->60% EtOH
-
miRNy

Fig. 6

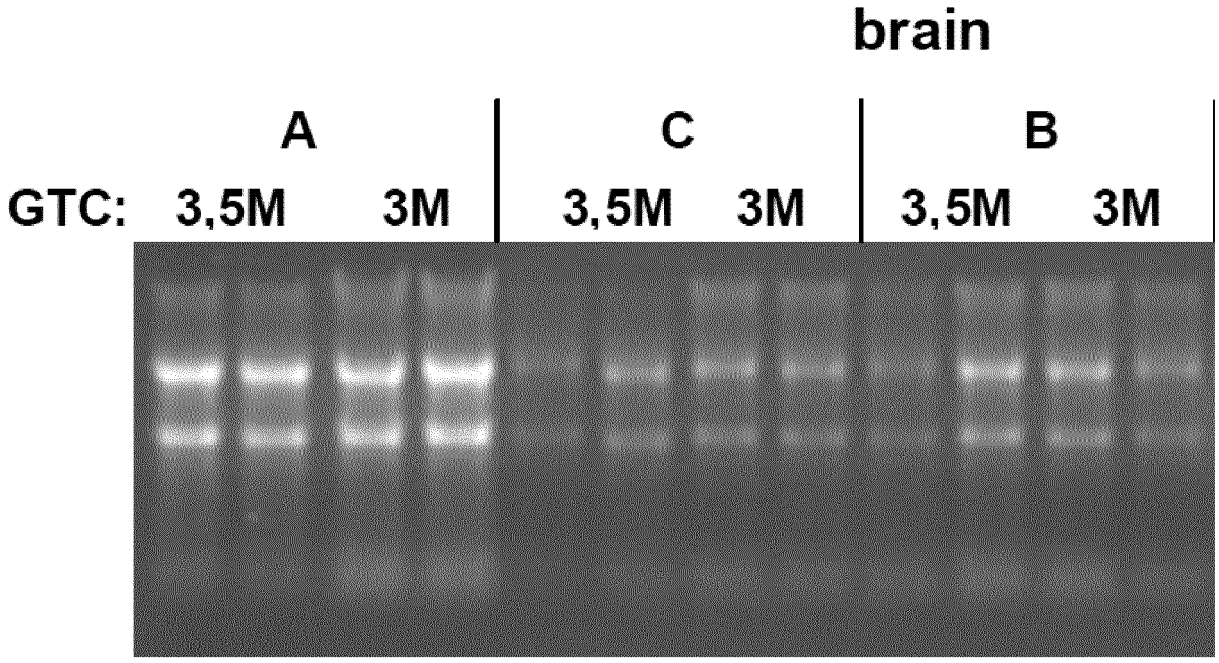

brain
A
C
B
GTC:
3,5M
3M
3,5M
3M
3,5M
3M

Fig. 7

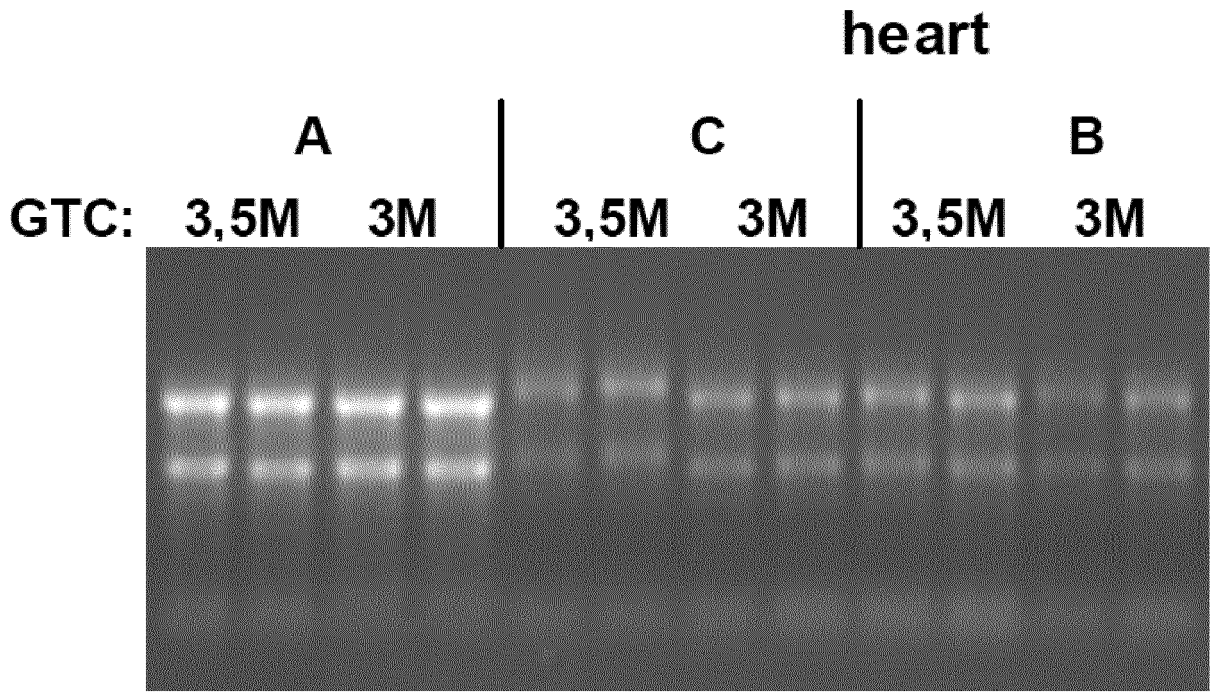

heart
A
C
B
GTC:
3,5M
3M
3,5M
3M
3,5M
3M

Fig. 8

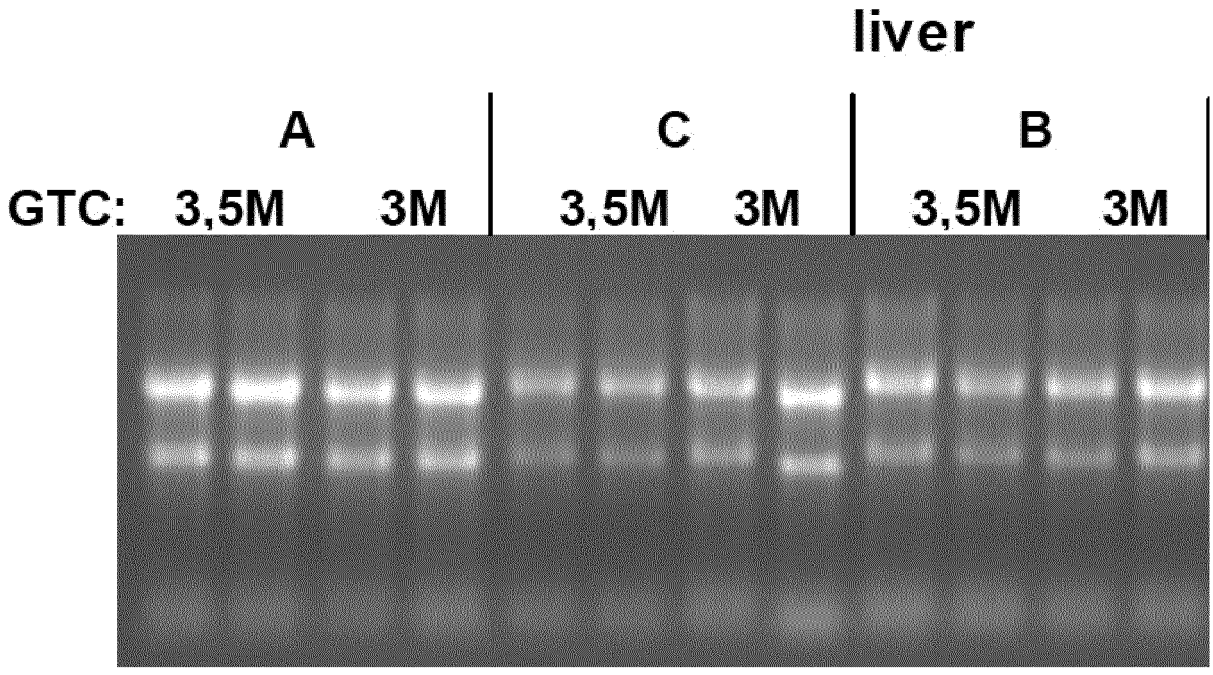

liver
A
C
B
GTC:
3,5M
3M
3,5M
3M
3,5M
3M

Fig. 9

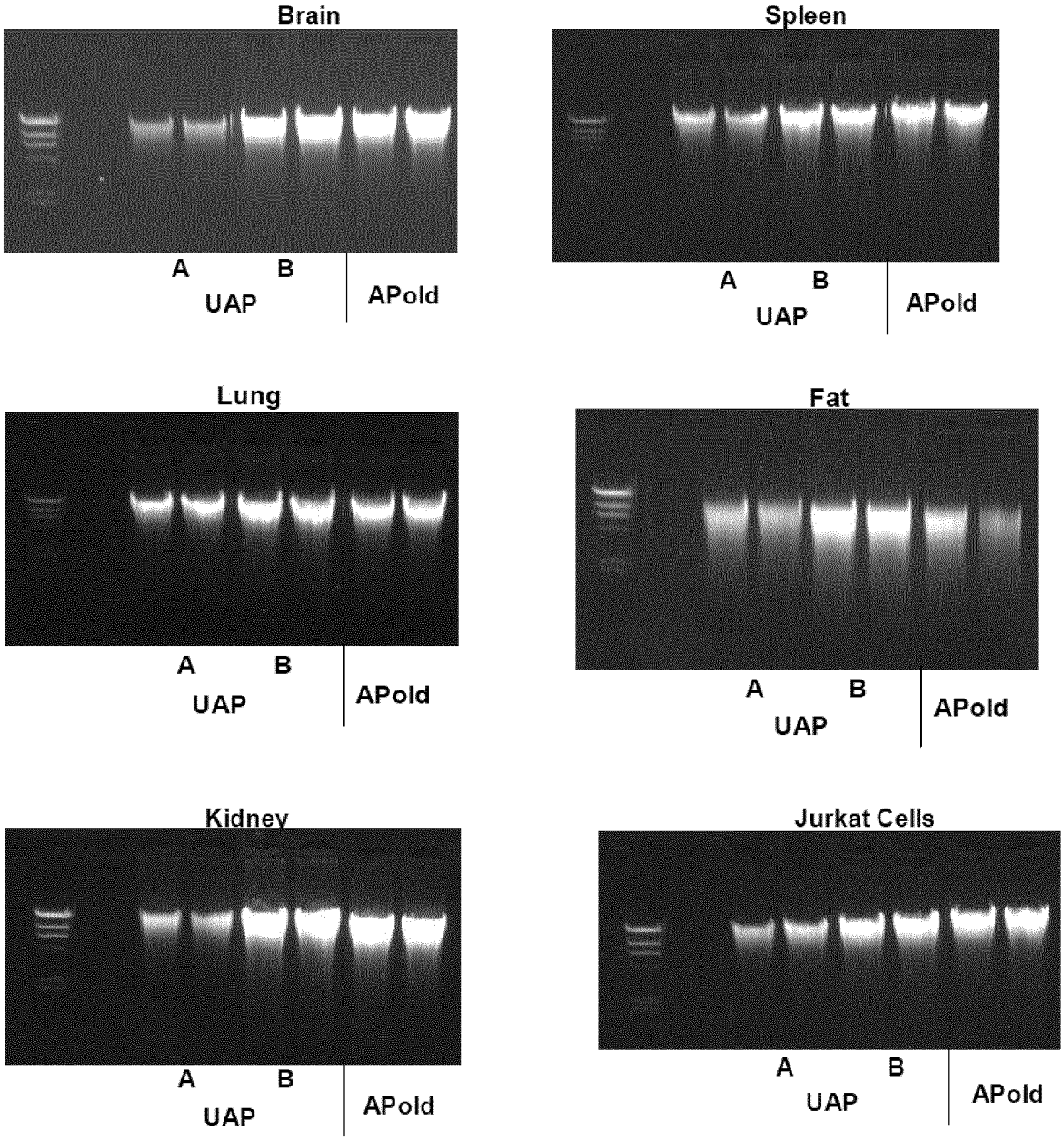
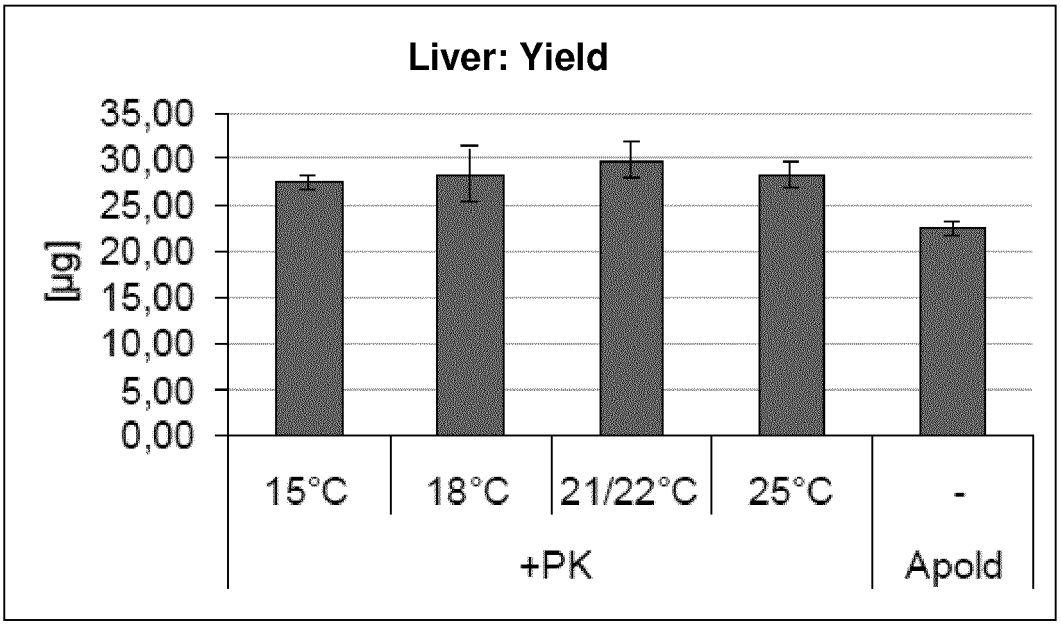
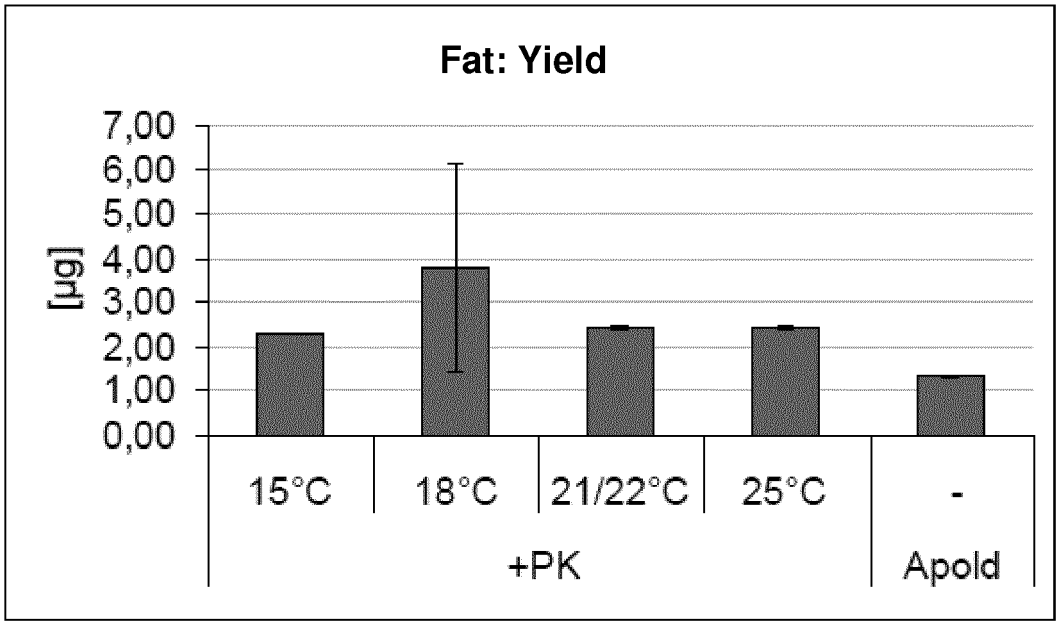

Brain
A
B
UAP
APold
Spleen
A
B
UAP
APold
Lung
A
B
UAP
APold
Fat
A
B
UAP
APold
Kidney
A
B
UAP
APold
Jurkat Cells
A
B
UAP
APold

Fig. 10

a)


Liver: Yield
35,00
30,00
25,00
20,00
15,00
10,00
5,00
0,00
[µg]
15°C
18°C
21/22°C
25°C
-
+PK
Apold

b)


Fat: Yield
7,00
6,00
5,00
4,00
3,00
2,00
1,00
0,00
[µg]
15°C
18°C
21/22°C
25°C
-
+PK
Apold

c)

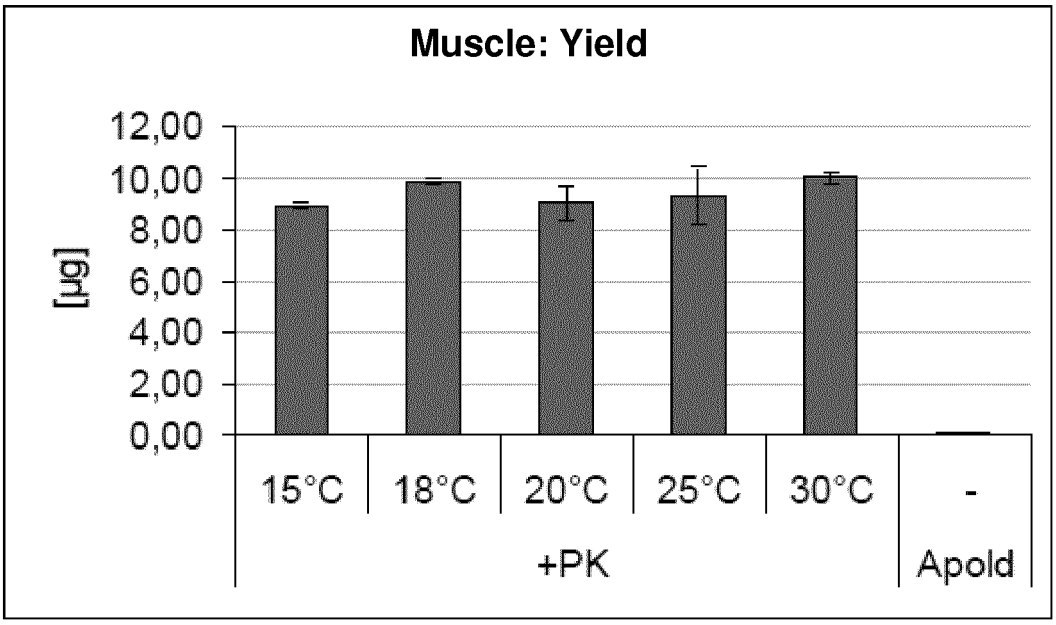
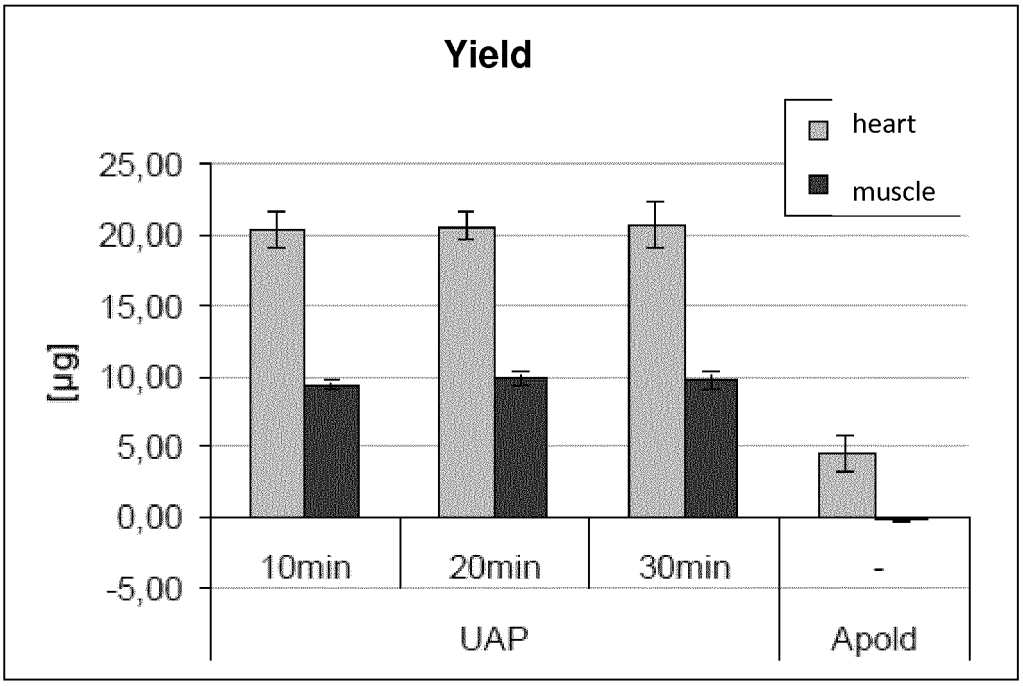

Muscle: Yield
12,00
10,00
8,00
6,00
4,00
2,00
0,00
[µg]
15°C
18°C
20°C
25°C
30°C
-
+PK
Apold

Fig. 11

a)


Yield
heart
muscle
25,00
20,00
15,00
10,00
5,00
0,00
-5,00
[µg]
10min
20min
30min
-
UAP
Apold

b)

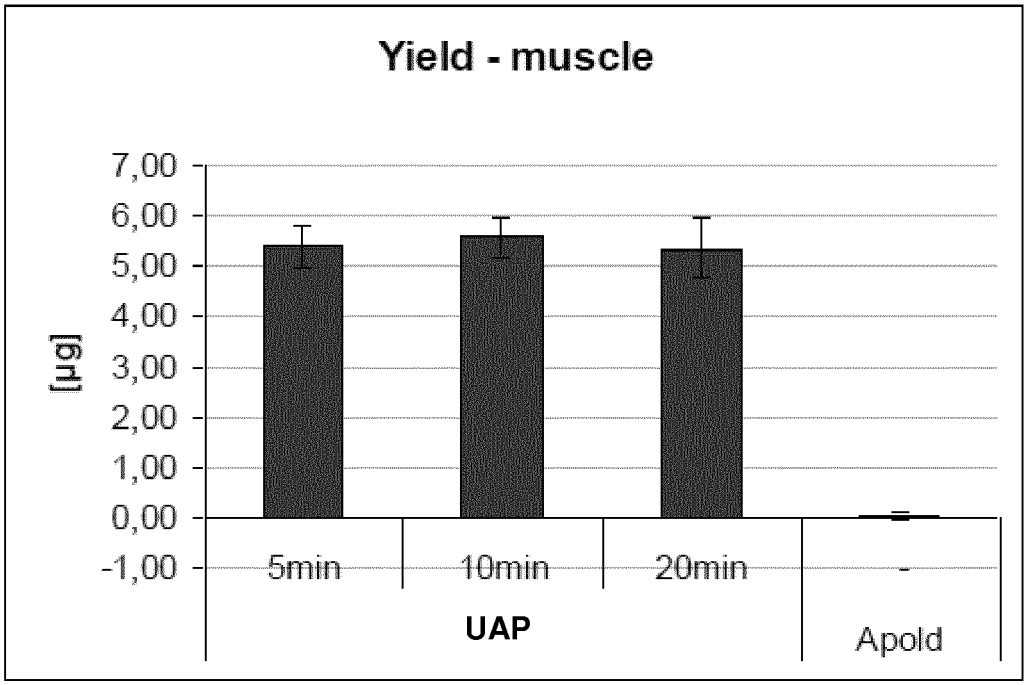

Yield - muscle
7,00
6,00
5,00
4,00
3,00
2,00
1,00
0,00
-1,00
[µg]
5min
10min
20min
-
UAP
Apold

Fig. 12

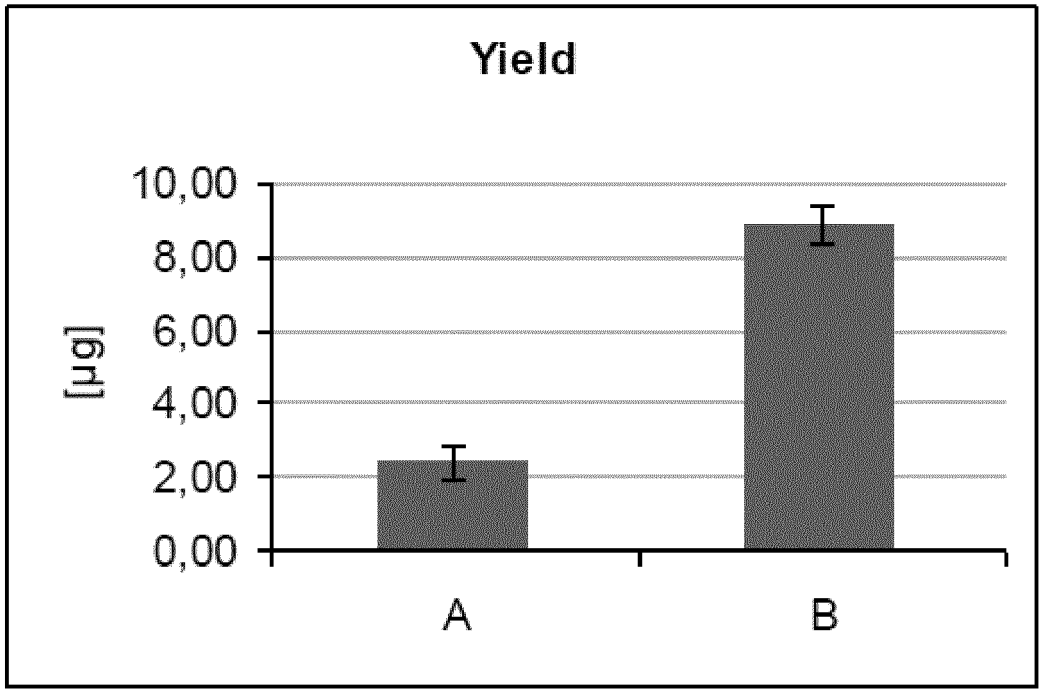

Yield
10,00
8,00
6,00
4,00
2,00
0,00
[µg]
A
B

Fig. 13

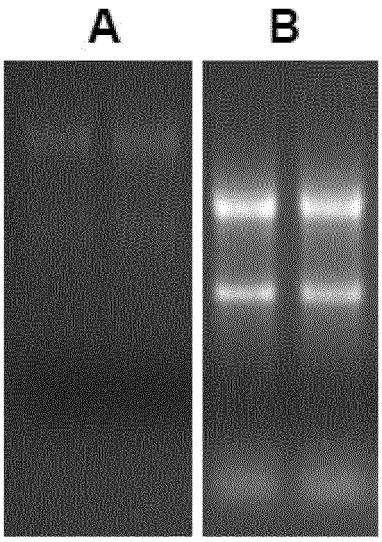


Fig. 14

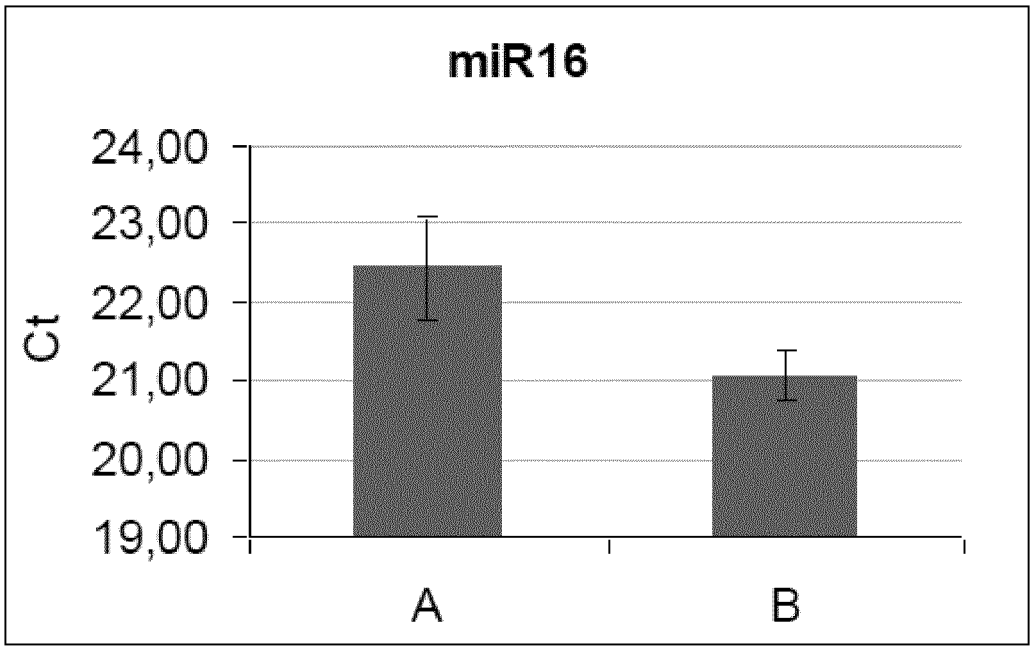


Fig. 15

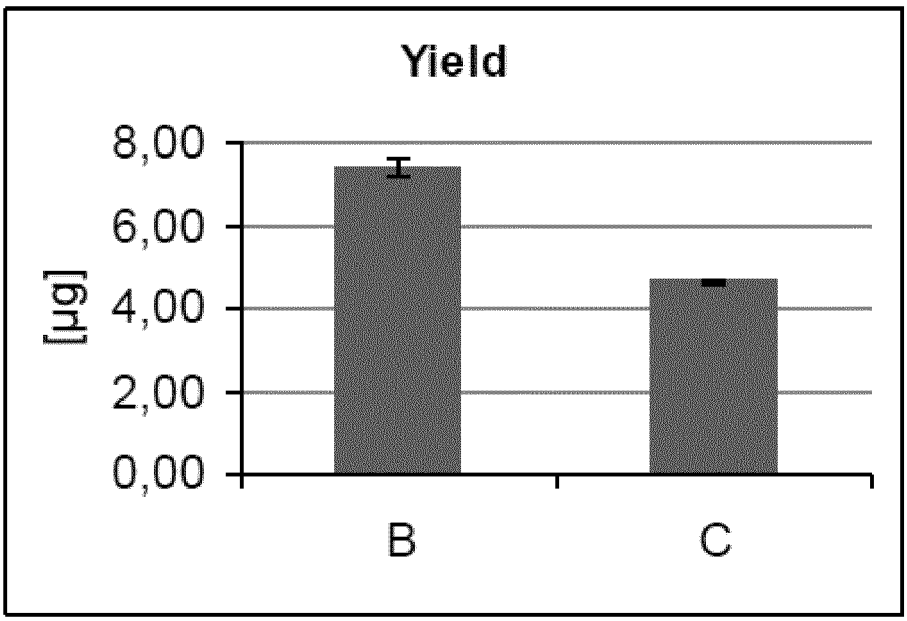


Fig. 16

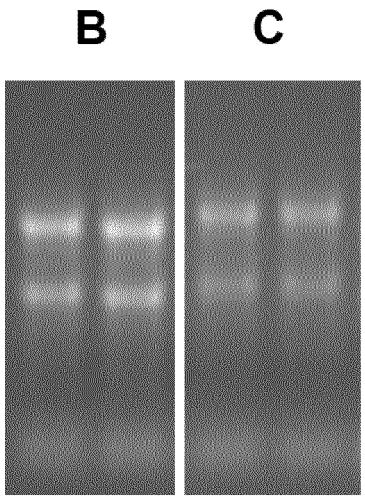


Fig. 17

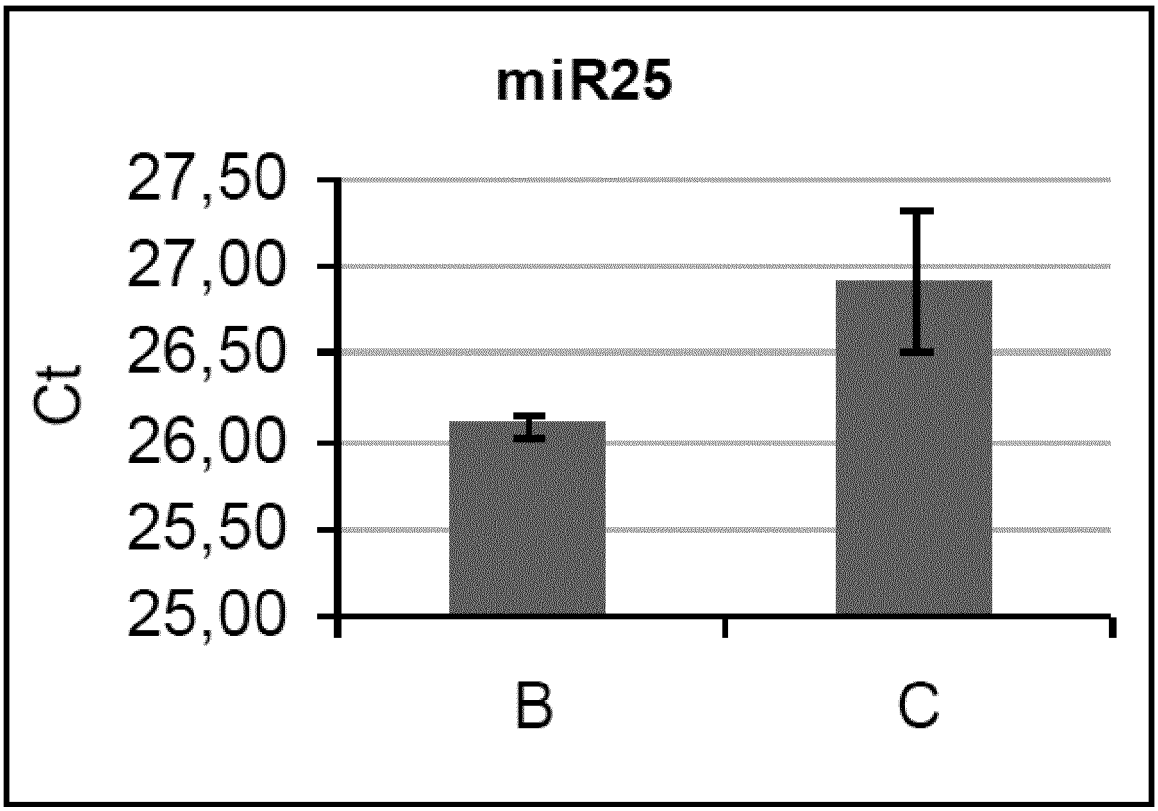
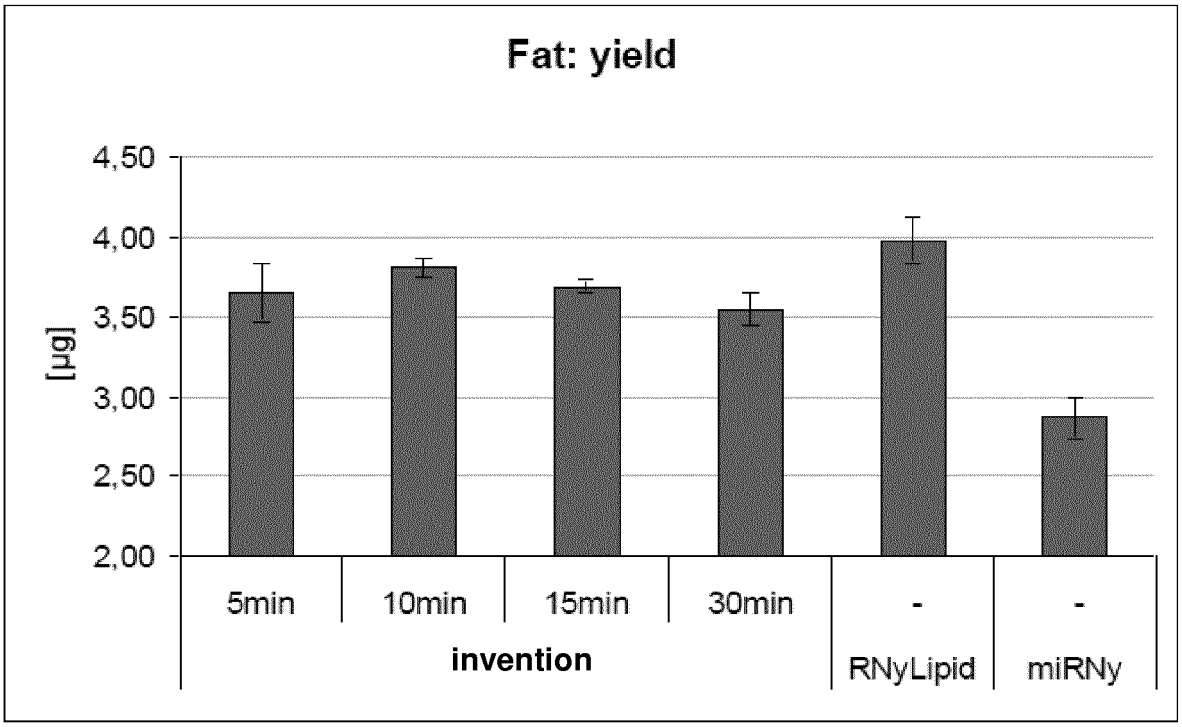


Fig. 18

a)



b)

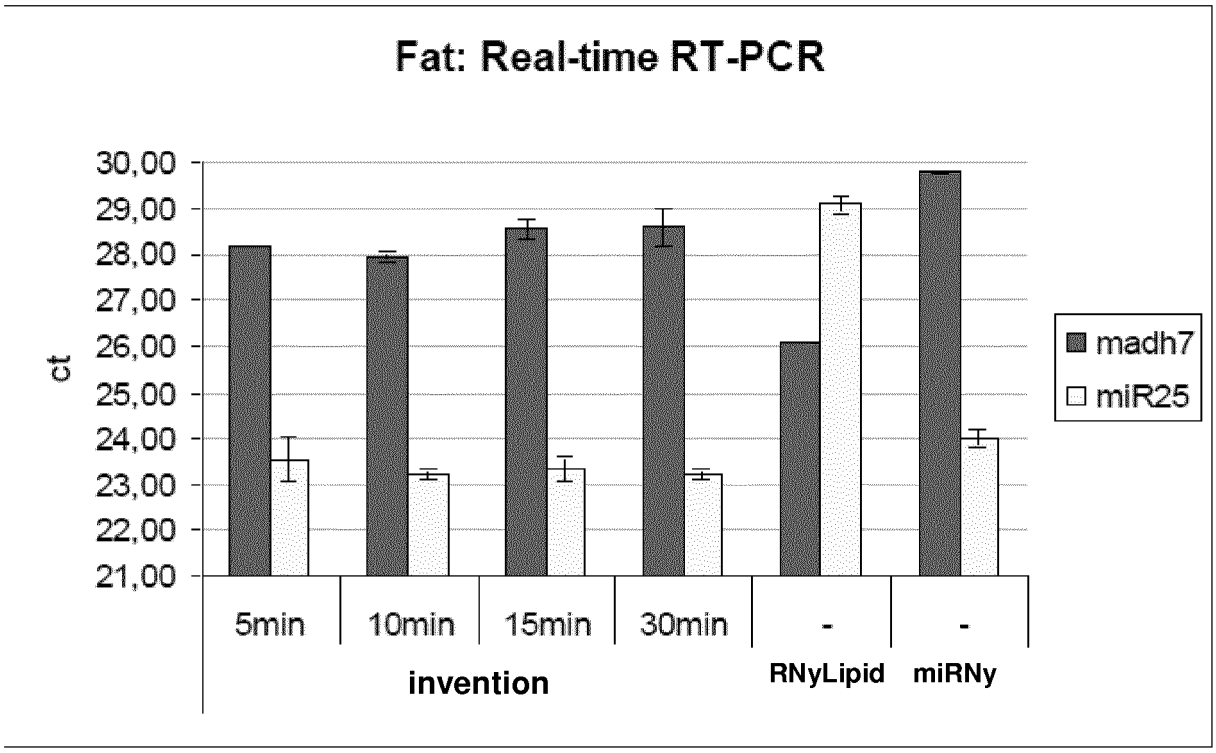
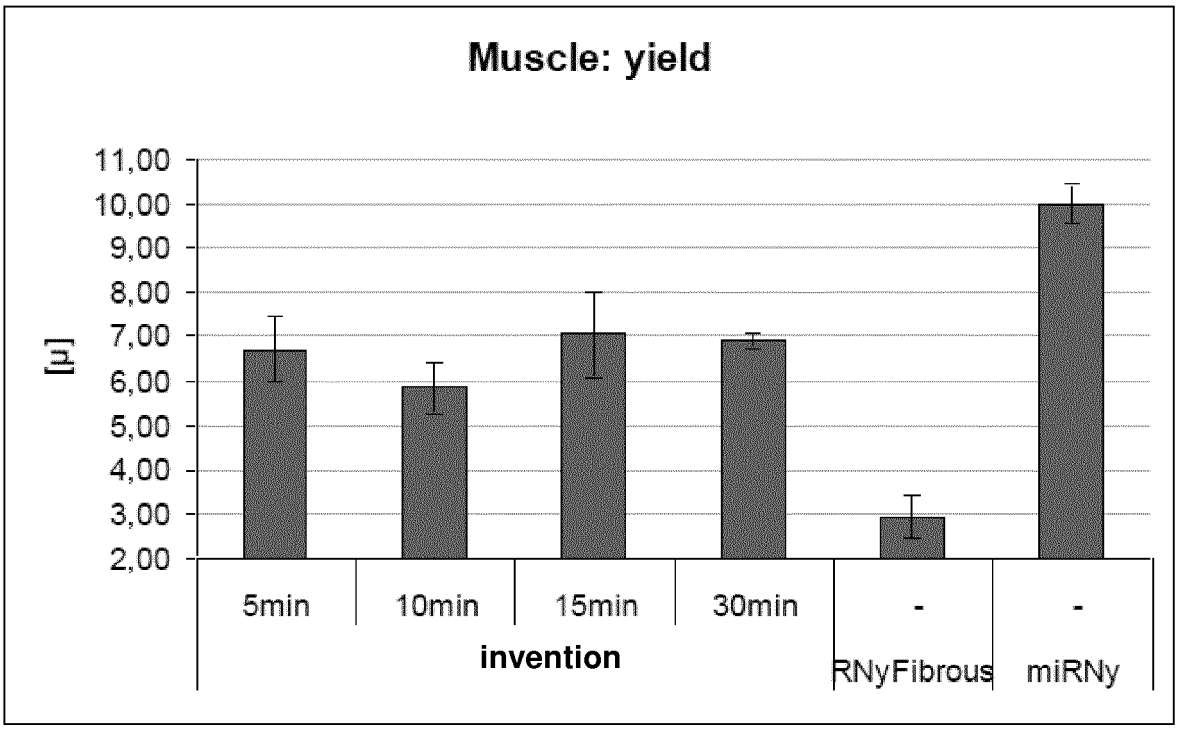

Fat: Real-time RT-PCR
ct
30,00
29,00
28,00
27,00
26,00
25,00
24,00
23,00
22,00
21,00
madh7
miR25
5min
10min
15min
30min
-
-
invention
RNyLipid
miRNy

Fig. 19

a)


Muscle: yield
[µ]
11,00
10,00
9,00
8,00
7,00
6,00
5,00
4,00
3,00
2,00
5min
10min
15min
30min
-
-
invention
RNyFibrous
miRNy

b)

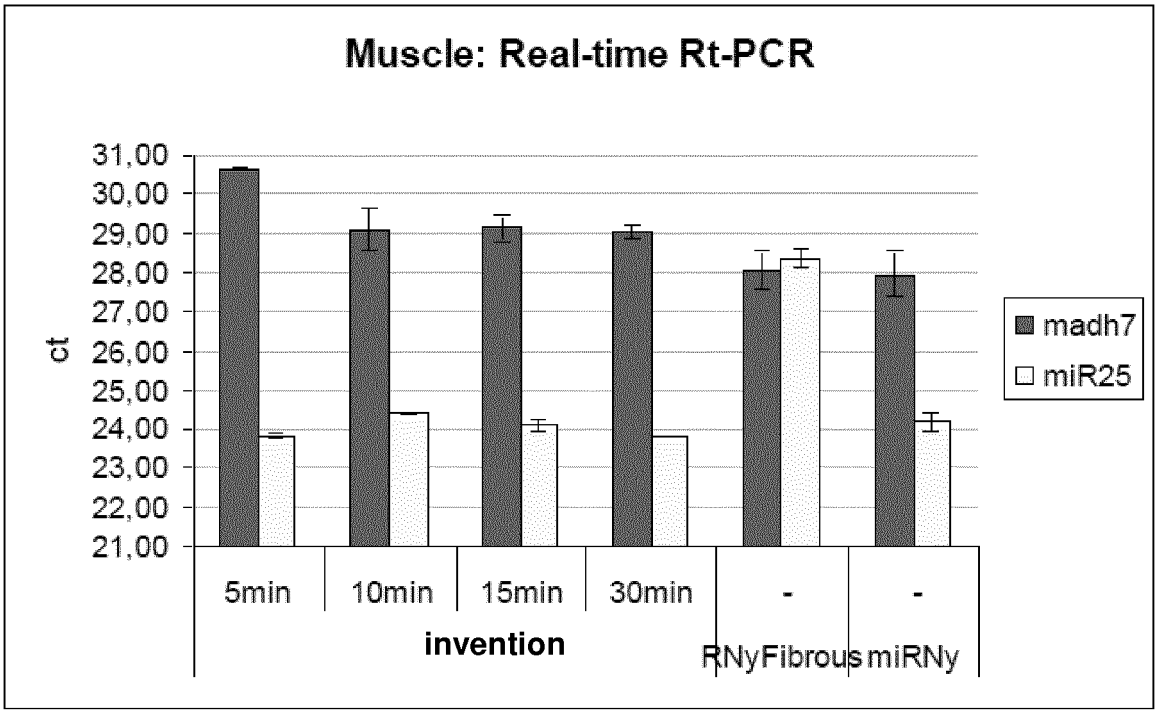

Muscle: Real-time Rt-PCR
ct
31,00
30,00
29,00
28,00
27,00
26,00
25,00
24,00
23,00
22,00
21,00
madh7
miR25
5min
10min
15min
30min
-
-
invention
RNyFibrous
miRNy

Fig. 20

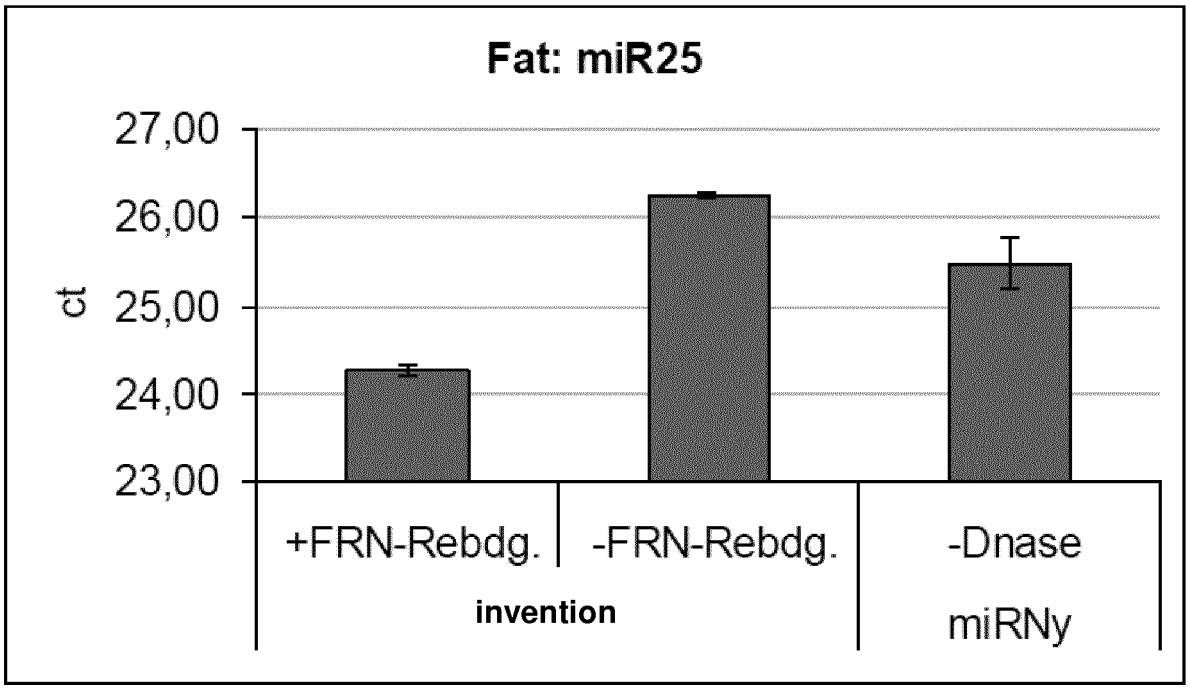

Fat: miR25
ct
27,00
26,00
25,00
24,00
23,00
+FRN-Rebdg.
-FRN-Rebdg.
-Dnase
invention
miRNy

Fig. 21

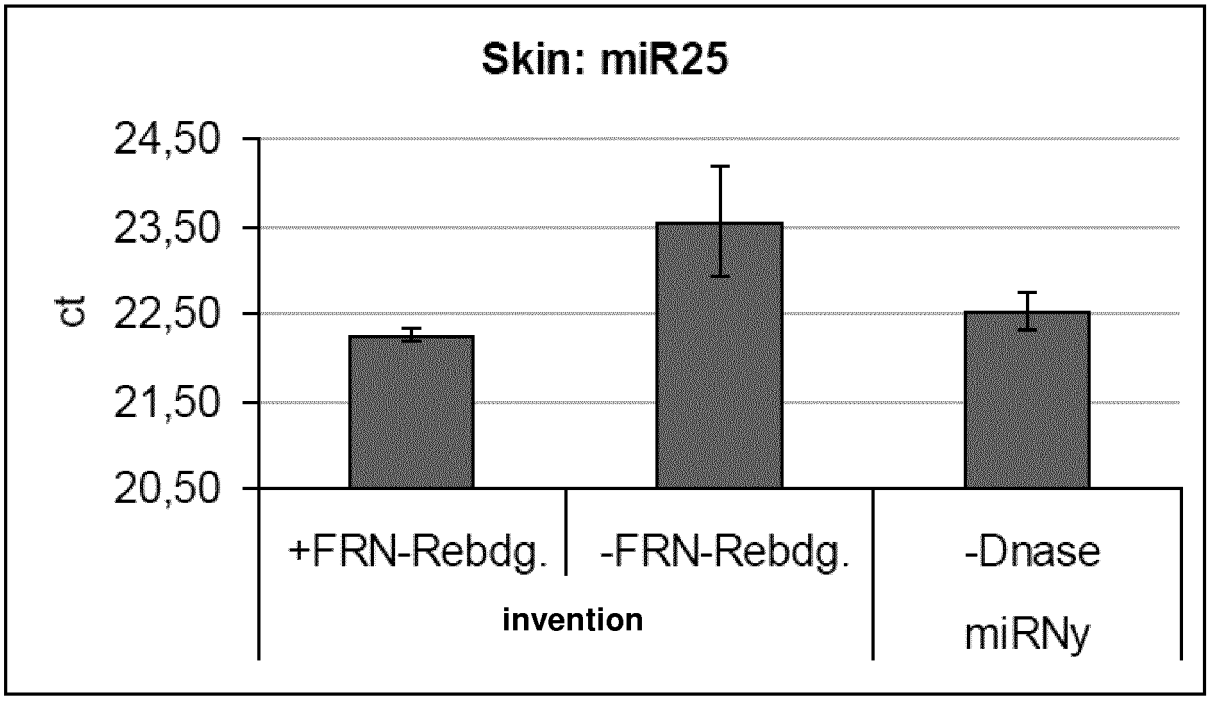

Skin: miR25
24,50
23,50
22,50
21,50
20,50
ct
+FRN-Rebdg.
-FRN-Rebdg.
-Dnase
invention
miRNy

Fig. 22

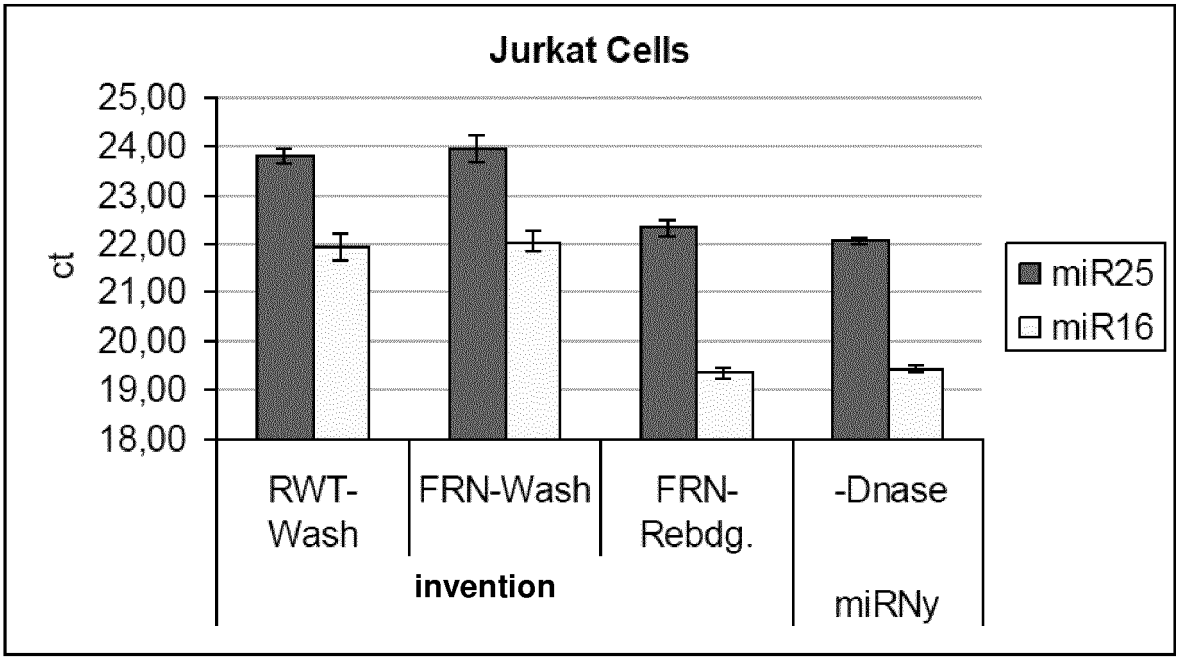

Jurkat Cells
25,00
24,00
23,00
22,00
21,00
20,00
19,00
18,00
ct
miR25
miR16
RWT-Wash
FRN-Wash
FRN-Rebdg.
-Dnase
invention
miRNy

Fig. 23

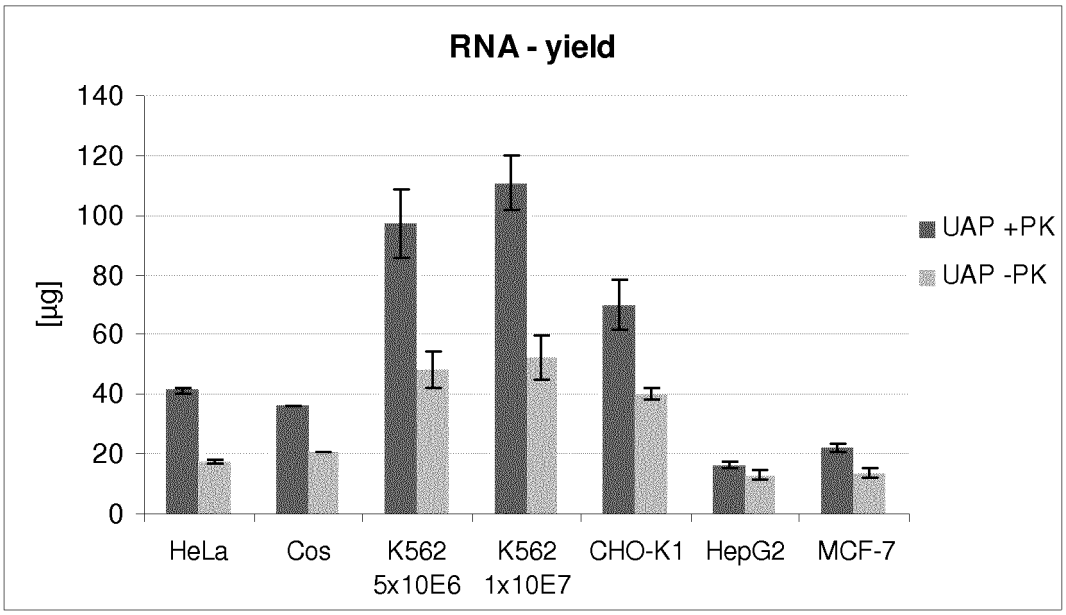
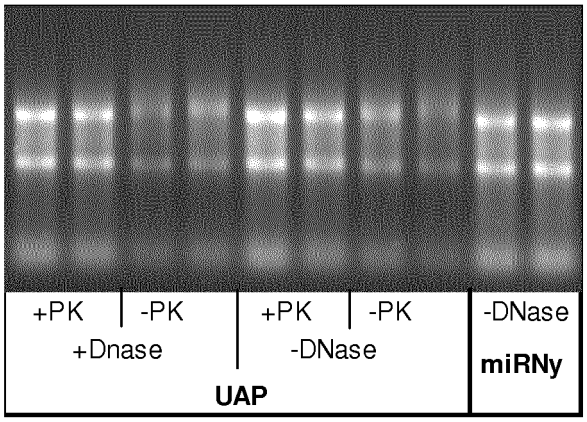


Fig. 24

a)



b)

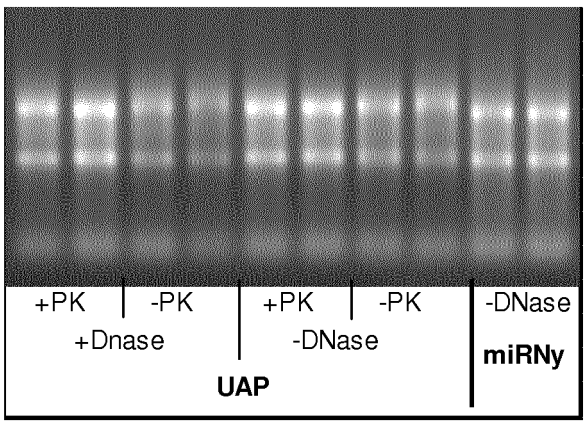
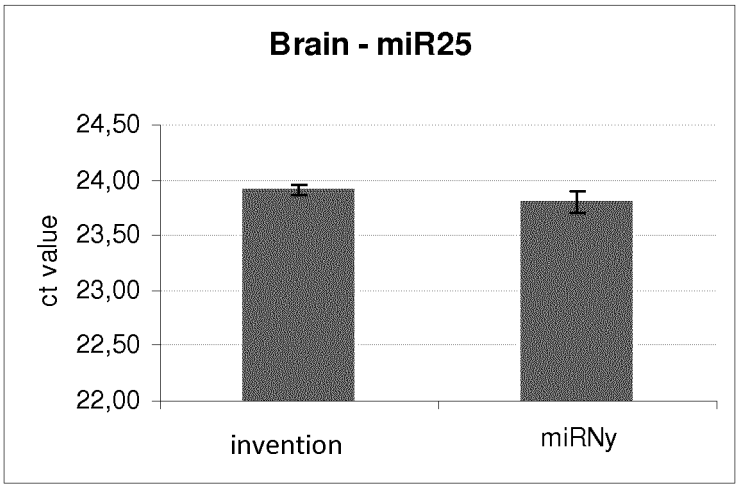
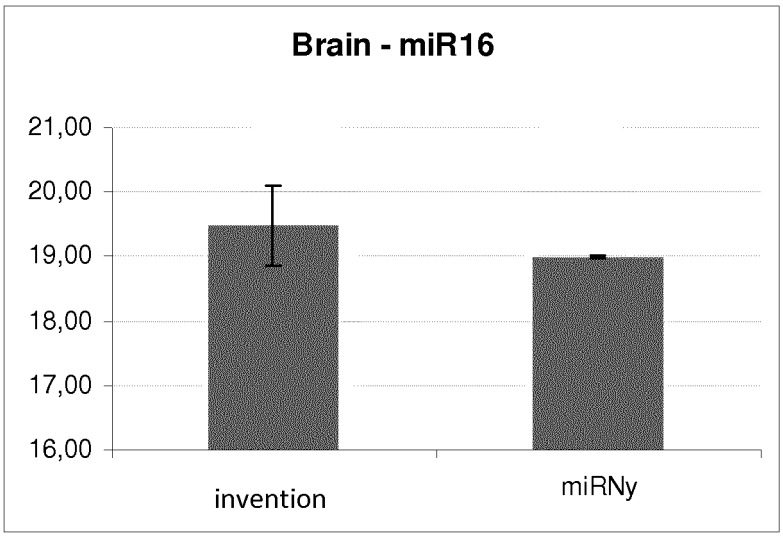


Fig. 25

a)


Brain - miR25
24,50
24,00
23,50
23,00
22,50
22,00
ct value
invention
miRNy

b)


Brain - miR16
21,00
20,00
19,00
18,00
17,00
16,00
invention
miRNy