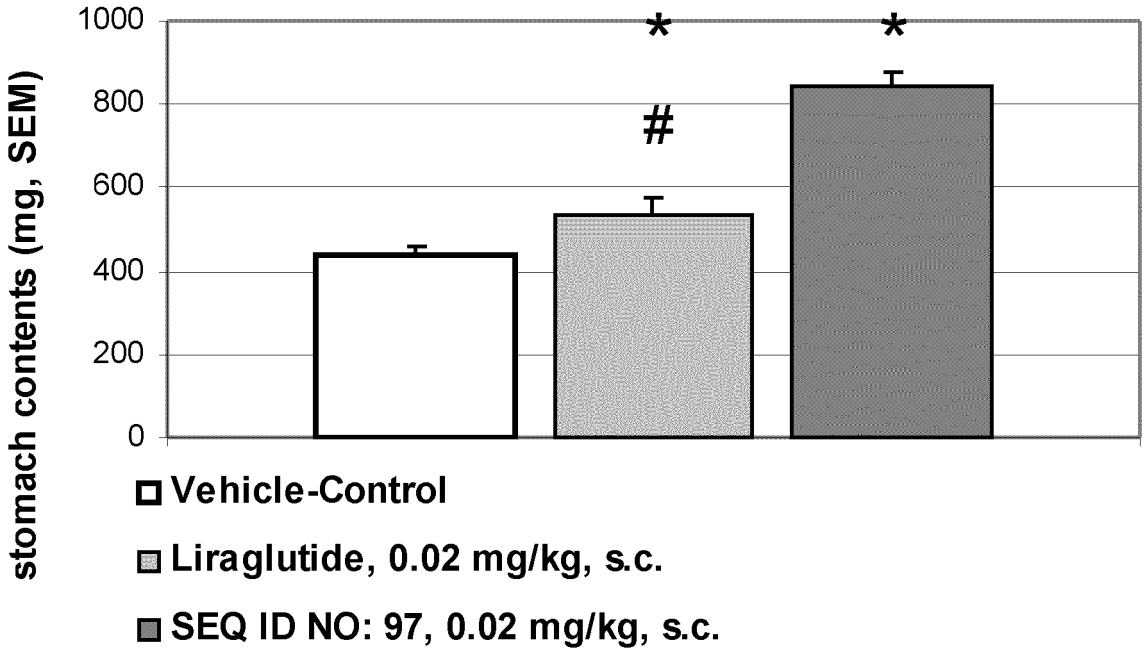
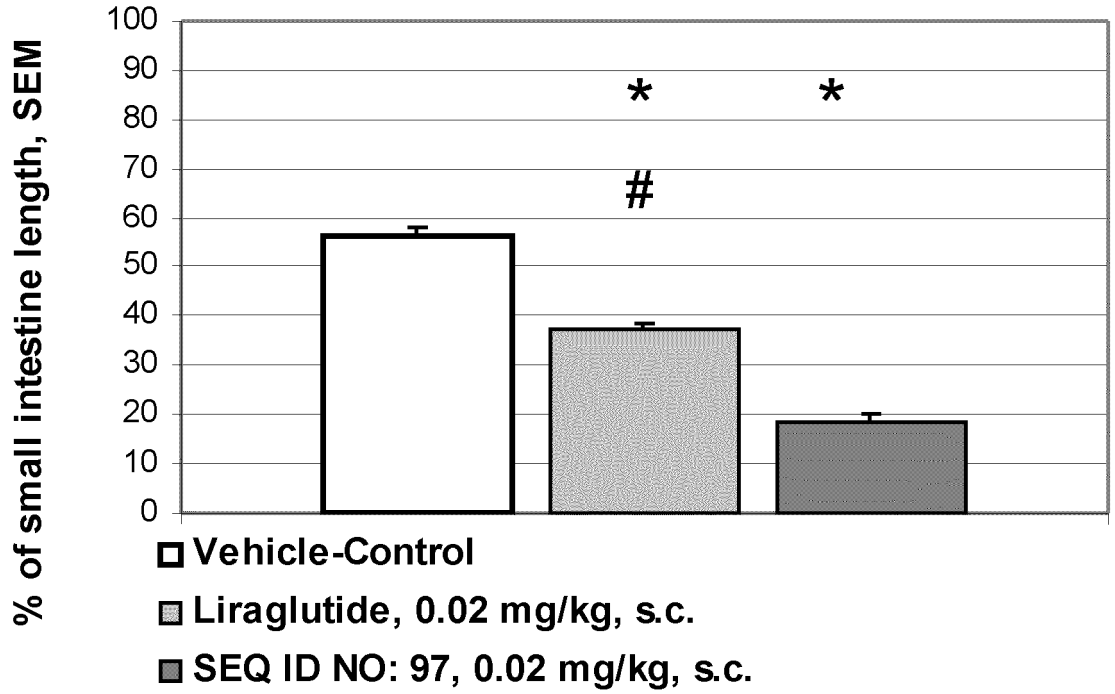
Fig. 1

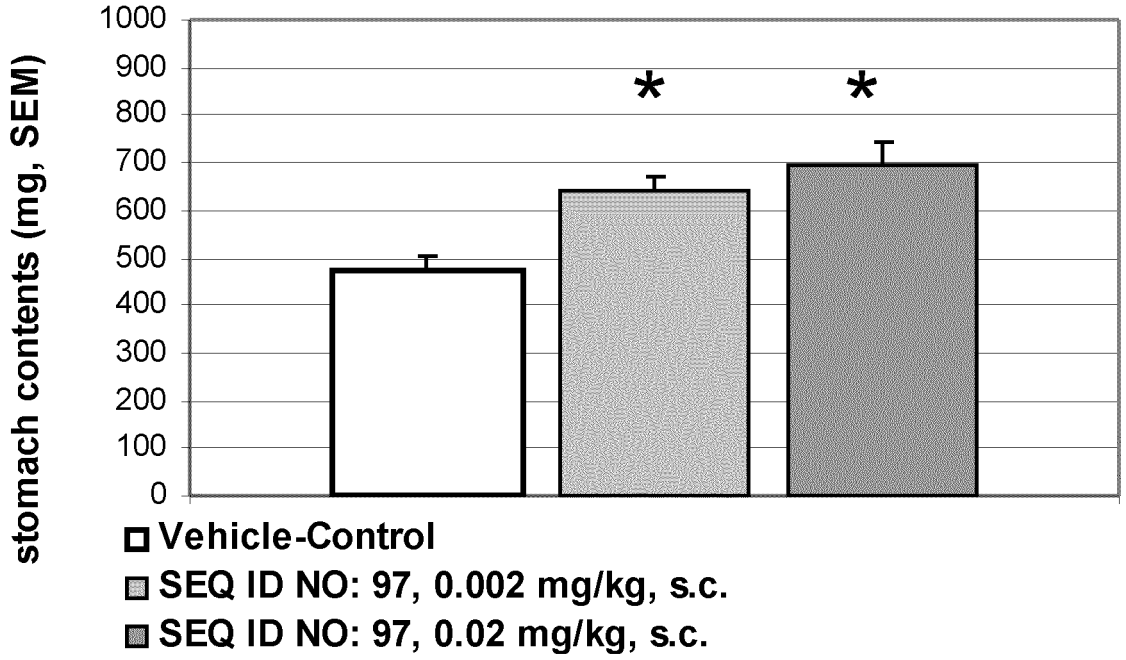
a)


stomach contents (mg, SEM)
1000
800
600
400
200
0
*
#
*
Vehicle-Control
Liraglutide, 0.02 mg/kg, s.c.
SEQ ID NO: 97, 0.02 mg/kg, s.c.

b)


% of small intestine length, SEM
100
90
80
70
60
50
40
30
20
10
0
*
#
*
Vehicle-Control
Liraglutide, 0.02 mg/kg, s.c.
SEQ ID NO: 97, 0.02 mg/kg, s.c.

c)


stomach contents (mg, SEM)
1000
900
800
700
600
500
400
300
200
100
0
*
*
Vehicle-Control
SEQ ID NO: 97, 0.002 mg/kg, s.c.
SEQ ID NO: 97, 0.02 mg/kg, s.c.

d)

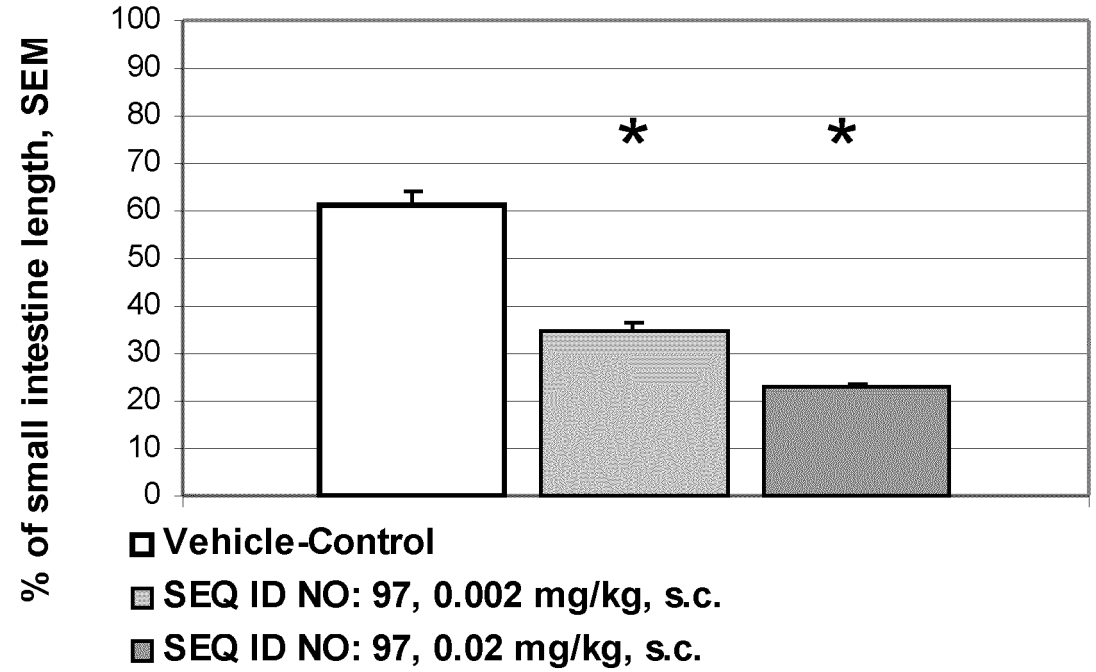

% of small intestine length, SEM
100
90
80
70
60
50
40
30
20
10
0
*
*
Vehicle-Control
SEQ ID NO: 97, 0.002 mg/kg, s.c.
SEQ ID NO: 97, 0.02 mg/kg, s.c.

Fig. 2: a)

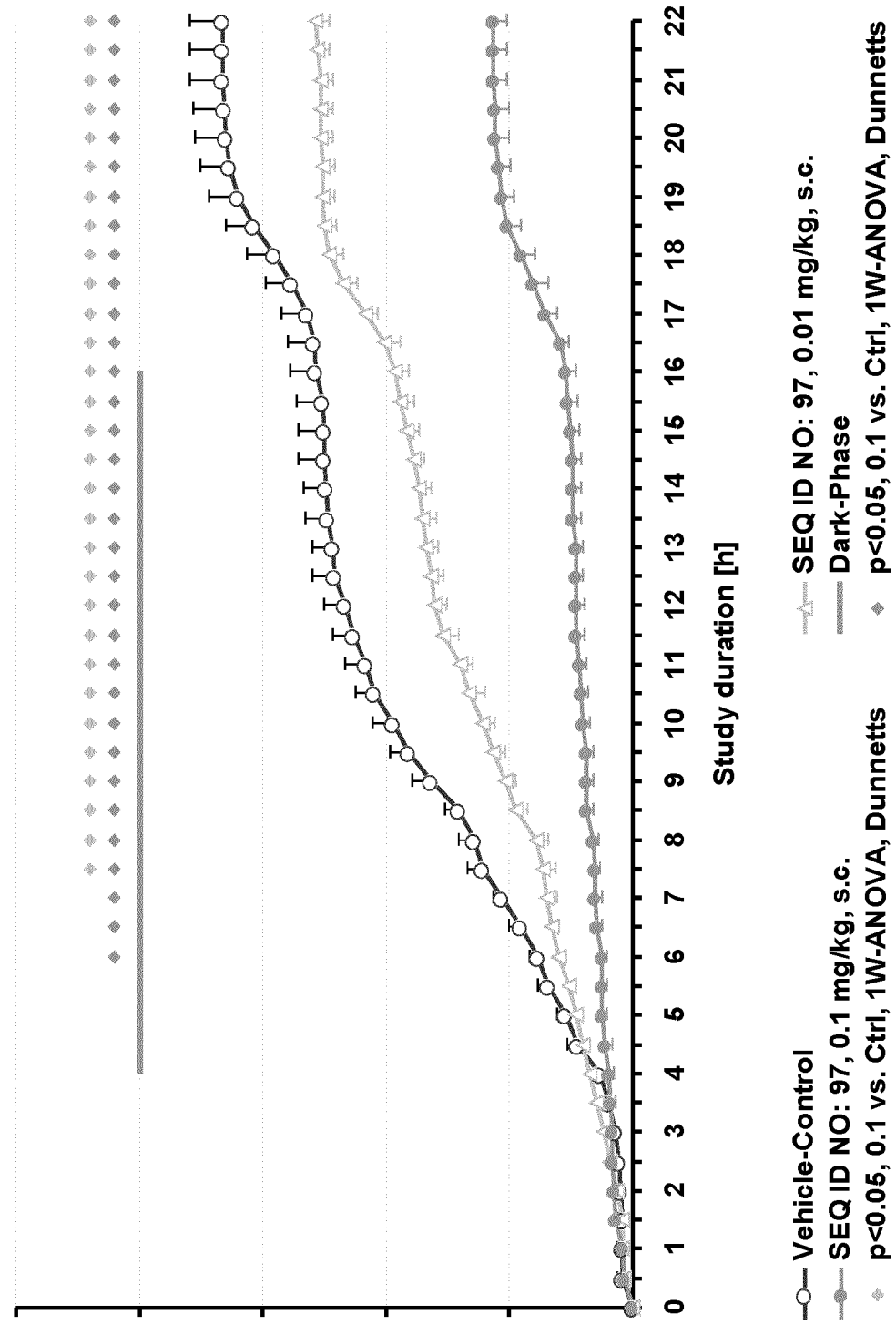

Food intake accumulated
[g/100 g b.w., SEM]
25
20
15
10
5
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
Study duration [h]
Vehicle-Control
SEQ ID NO: 97, 0.01 mg/kg, s.c.
SEQ ID NO: 97, 0.1 mg/kg, s.c.
Dark-Phase
p<0.05, 0.1 vs. Ctrl, 1W-ANOVA, Dunnetts
p<0.05, 0.1 vs. Ctrl, 1W-ANOVA, Dunnetts

Fig. 3

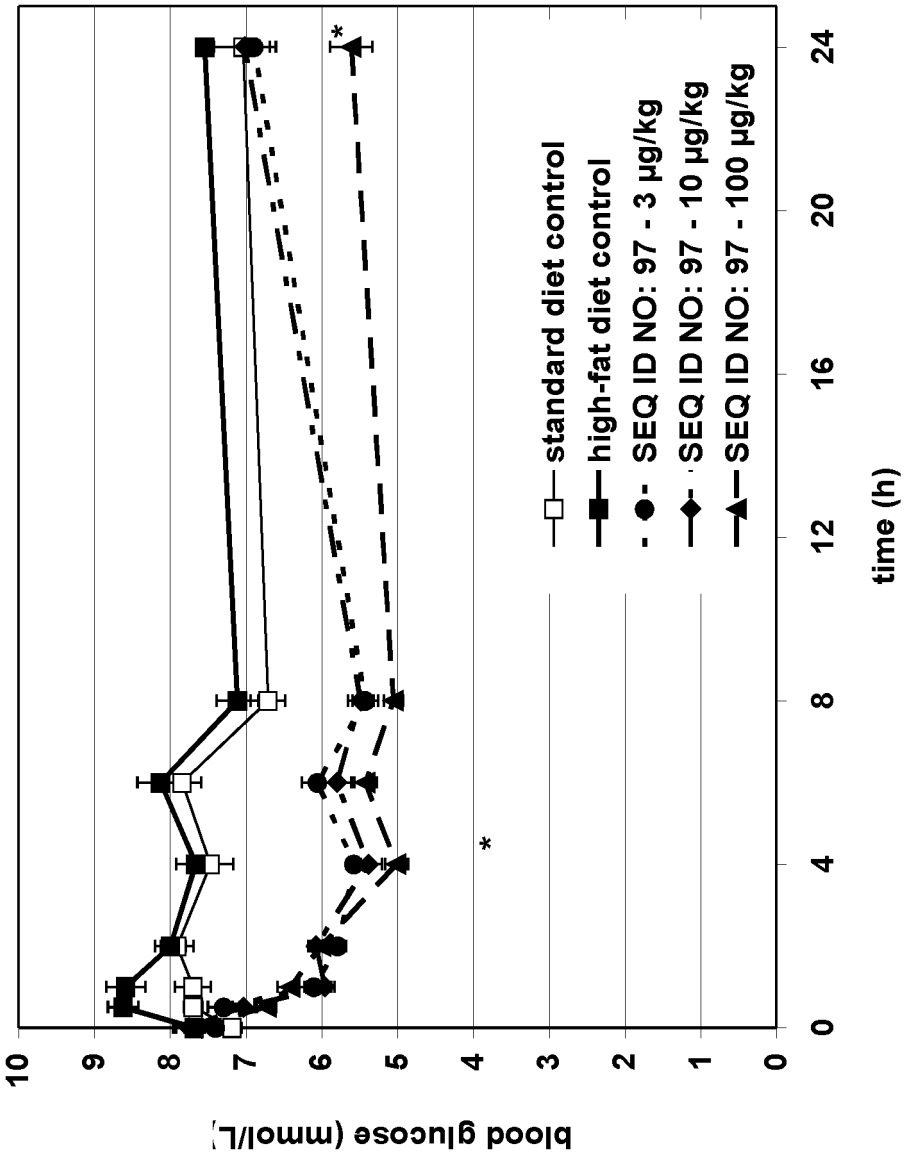
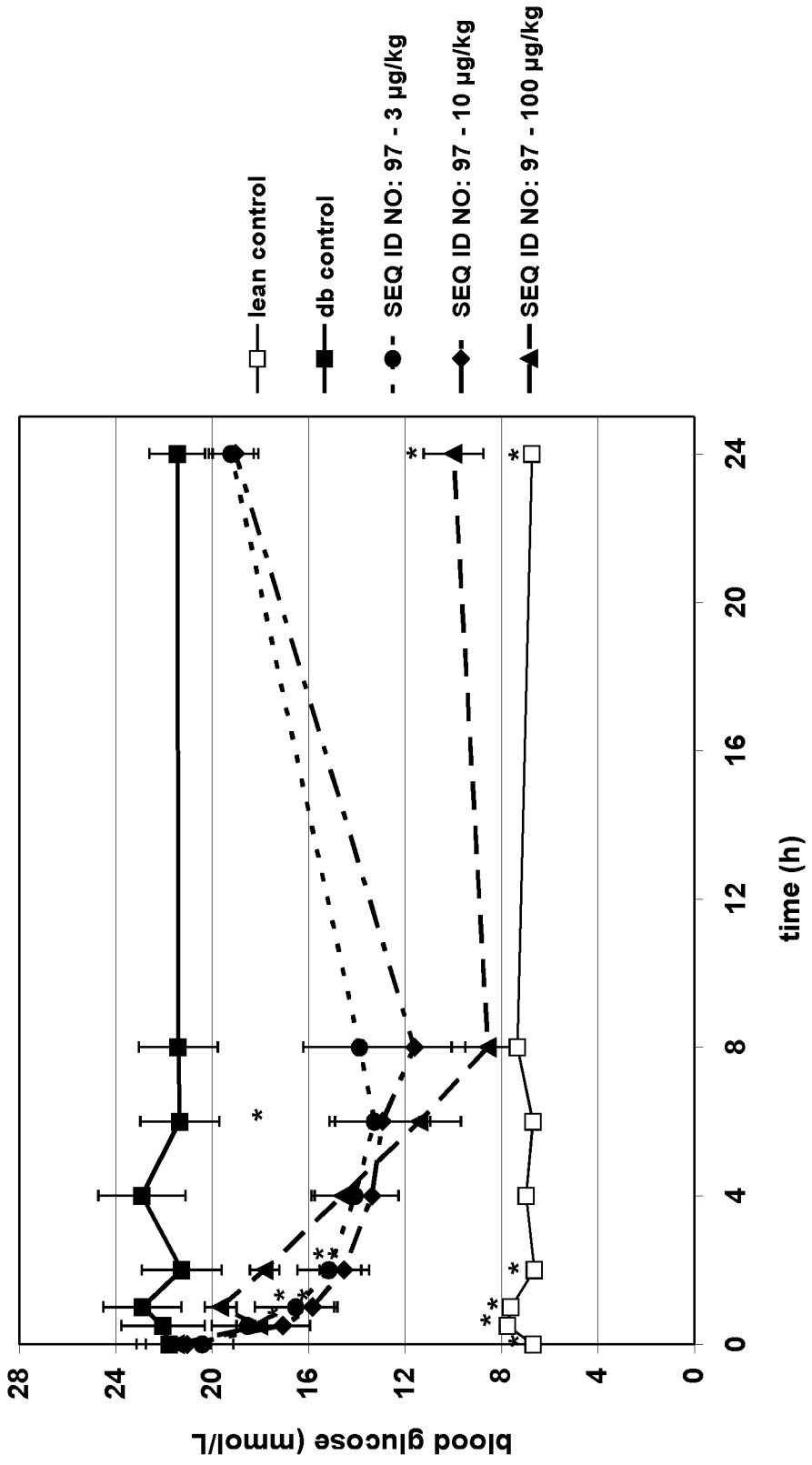

blood glucose (mmol/L)
10
9
8
7
6
5
4
3
2
1
0
0
4
8
12
16
20
24
time (h)
*
*
standard diet control
high-fat diet control
SEQ ID NO: 97 - 3 µg/kg
SEQ ID NO: 97 - 10 µg/kg
SEQ ID NO: 97 - 100 µg/kg

Fig. 4:


lean control
db control
SEQ ID NO: 97 - 3 µg/kg
SEQ ID NO: 97 - 10 µg/kg
SEQ ID NO: 97 - 100 µg/kg
blood glucose (mmol/L
time (h)
0
4
8
12
16
20
24
28

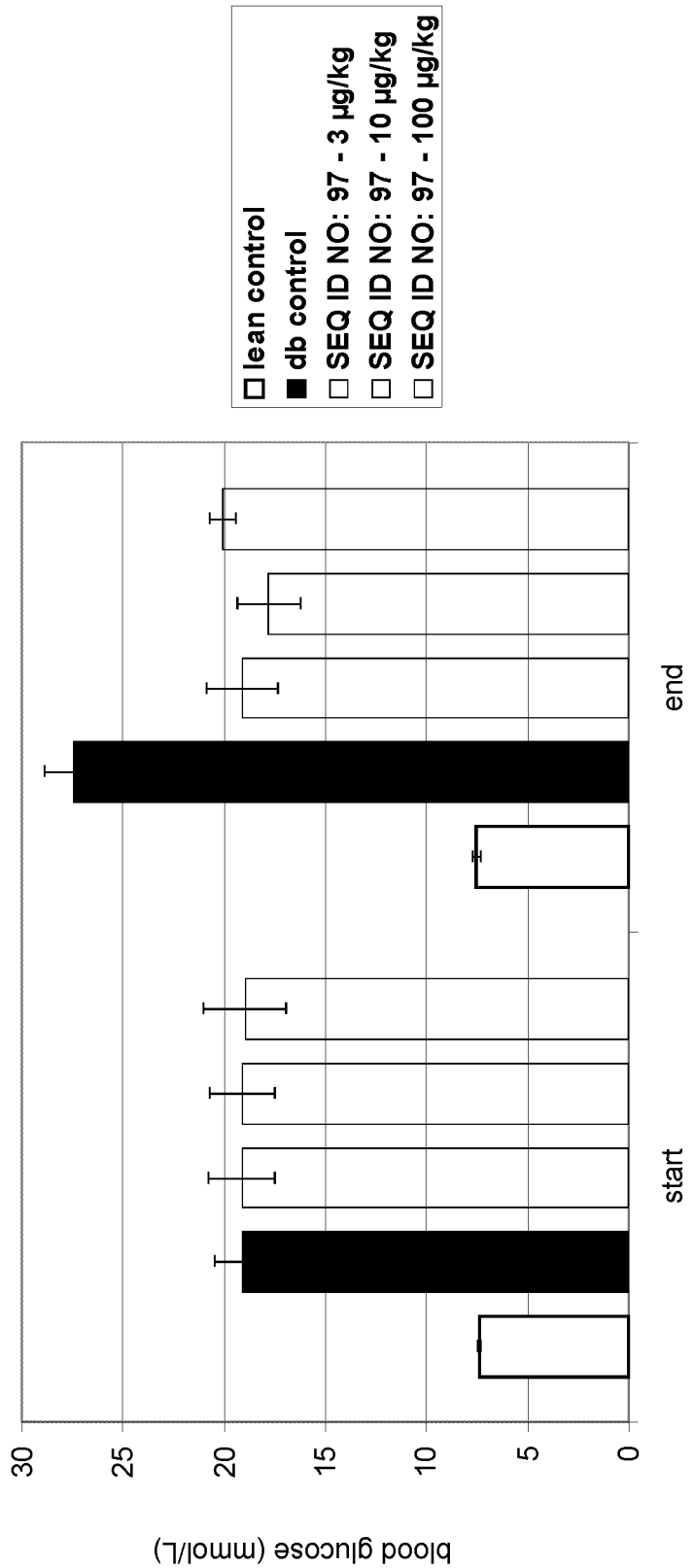

lean control
db control
SEQ ID NO: 97 - 3 µg/kg
SEQ ID NO: 97 - 10 µg/kg
SEQ ID NO: 97 - 100 µg/kg
blood glucose (mmol/L)
0
5
10
15
20
25
30
start
end

Fig. 5:

Fig. 6:

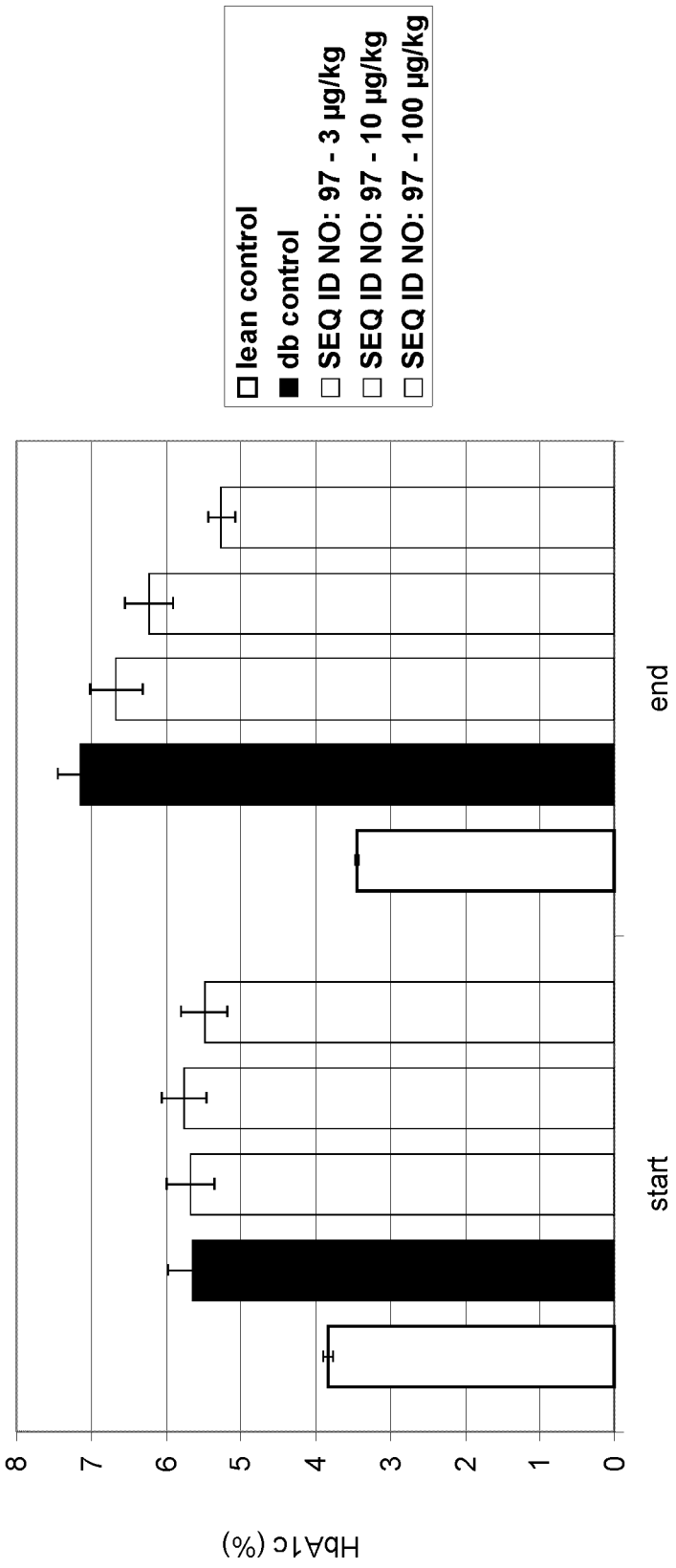

lean control
db control
SEQ ID NO: 97 - 3 µg/kg
SEQ ID NO: 97 - 10 µg/kg
SEQ ID NO: 97 - 100 µg/kg
HbA1c (%)
0
1
2
3
4
5
6
7
8
start
end

Fig. 7:

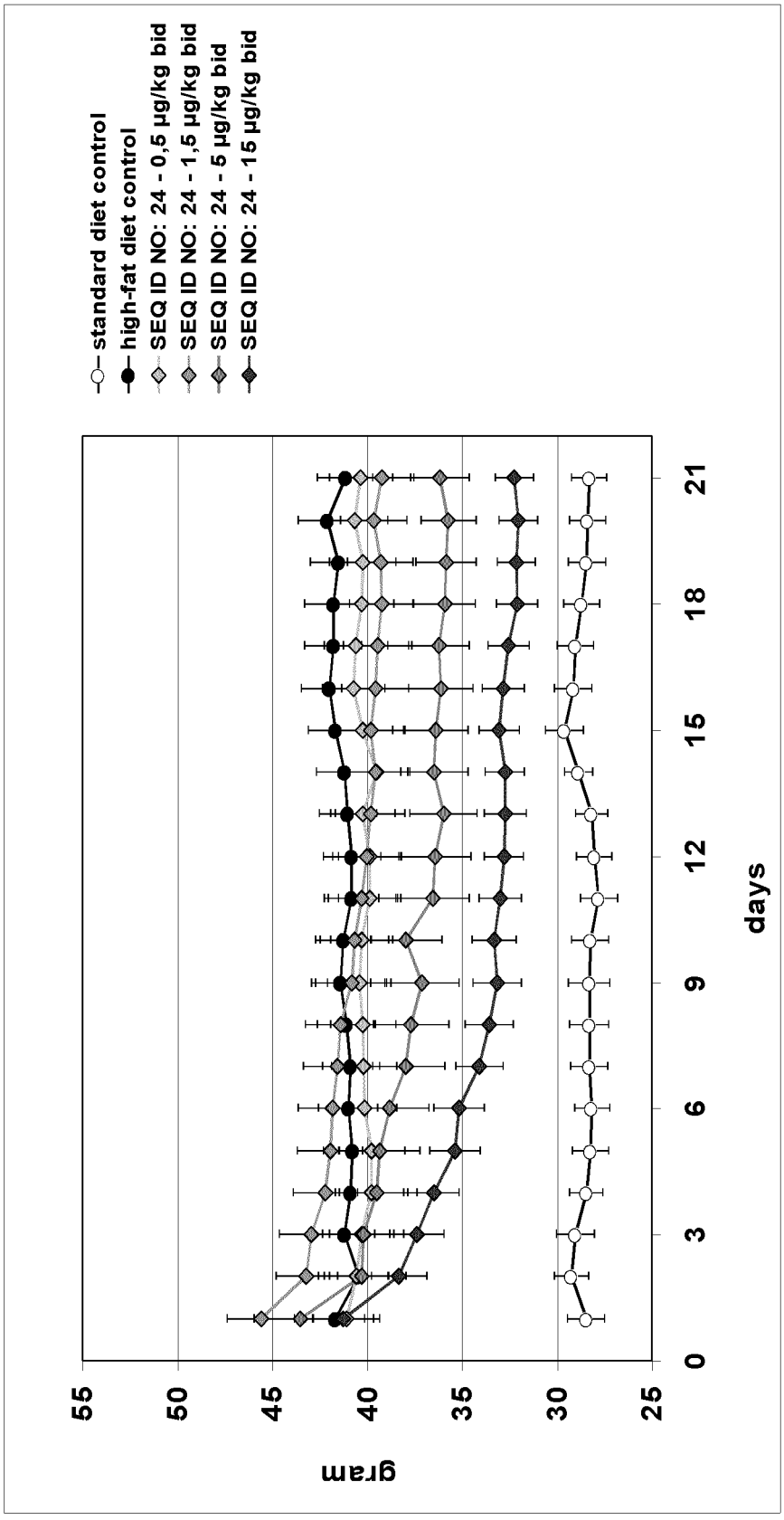

standard diet control
high-fat diet control
SEQ ID NO: 24 - 0,5 µg/kg bid
SEQ ID NO: 24 - 1,5 µg/kg bid
SEQ ID NO: 24 - 5 µg/kg bid
SEQ ID NO: 24 - 15 µg/kg bid
gram
55
50
45
40
35
30
25
0
3
6
9
12
15
18
21
days

Fig. 8:

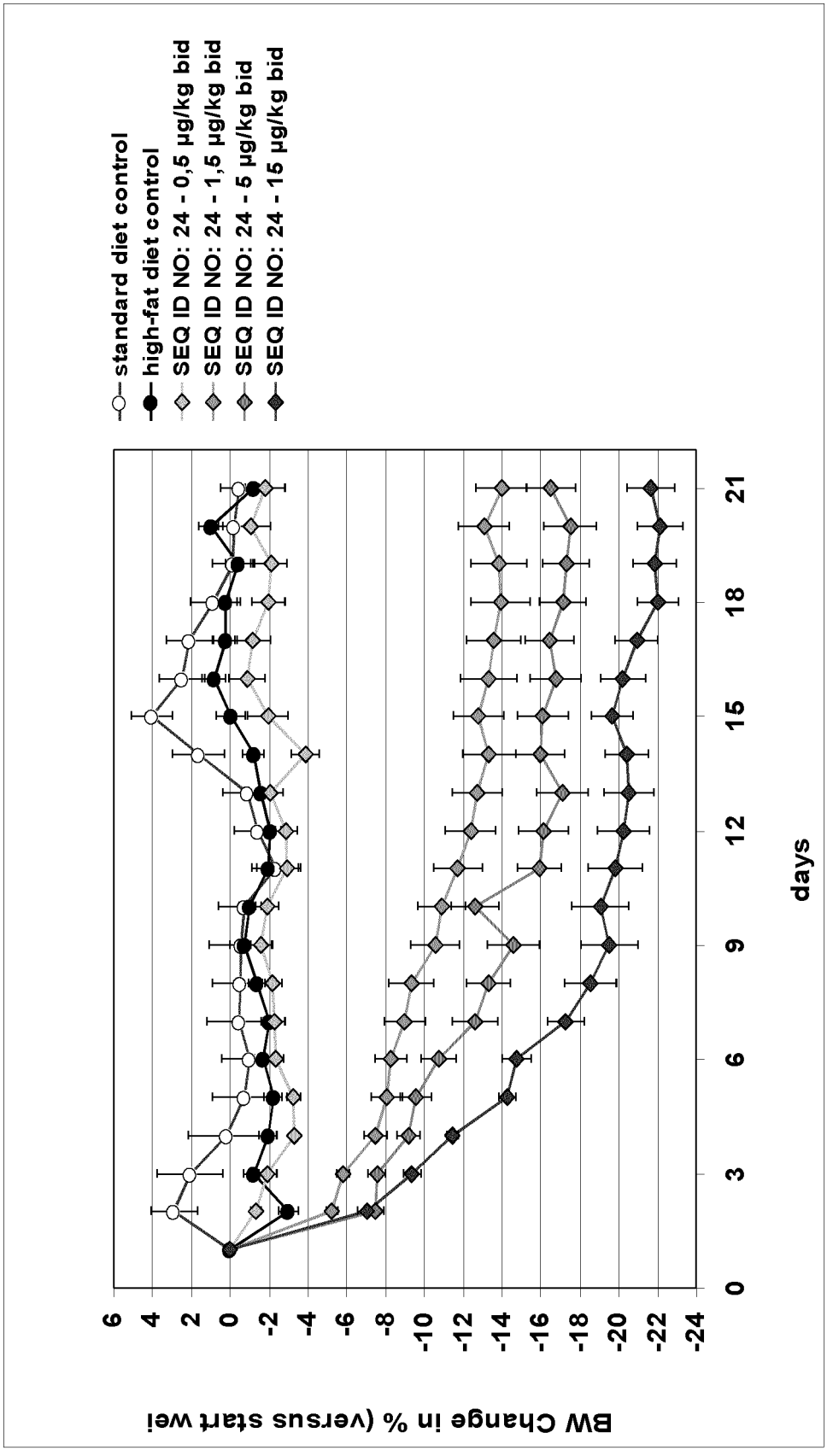

standard diet control
high-fat diet control
SEQ ID NO: 24 - 0,5 µg/kg bid
SEQ ID NO: 24 - 1,5 µg/kg bid
SEQ ID NO: 24 - 5 µg/kg bid
SEQ ID NO: 24 - 15 µg/kg bid
BW Change in % (versus start wei
6
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
-20
-22
-24
0
3
6
9
12
15
18
21
days

Fig. 9:

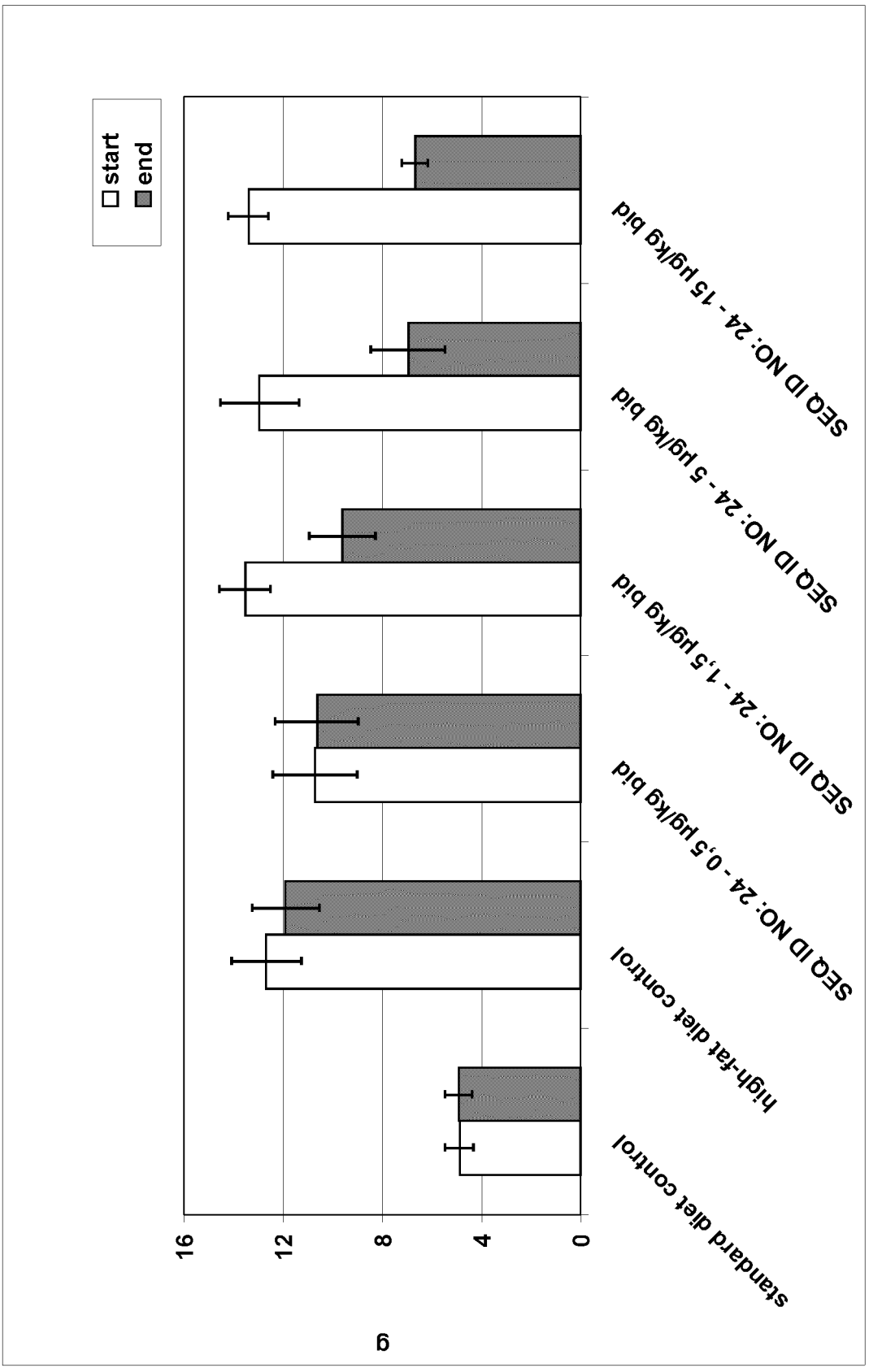

start
end
g
16
12
8
4
0
standard diet control
high-fat diet control
SEQ ID NO: 24 - 0,5 µg/kg bid
SEQ ID NO: 24 - 1,5 µg/kg bid
SEQ ID NO: 24 - 5 µg/kg bid
SEQ ID NO: 24 - 15 µg/kg bid

Fig. 10:

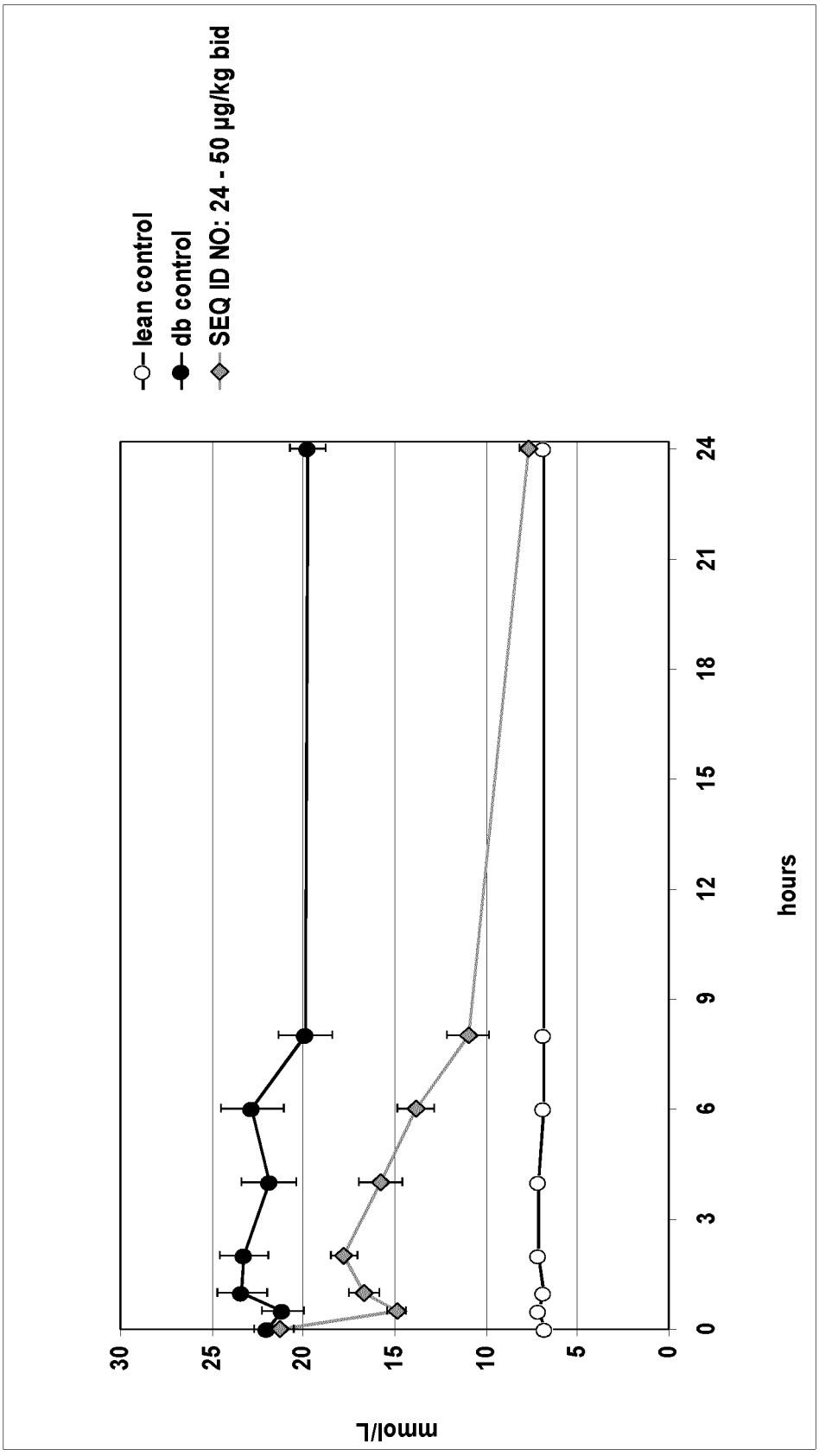

lean control
db control
SEQ ID NO: 24 - 50 µg/kg bid
mmol/L
30
25
20
15
10
5
0
0
3
6
9
12
15
18
21
24
hours

Fig. 11:

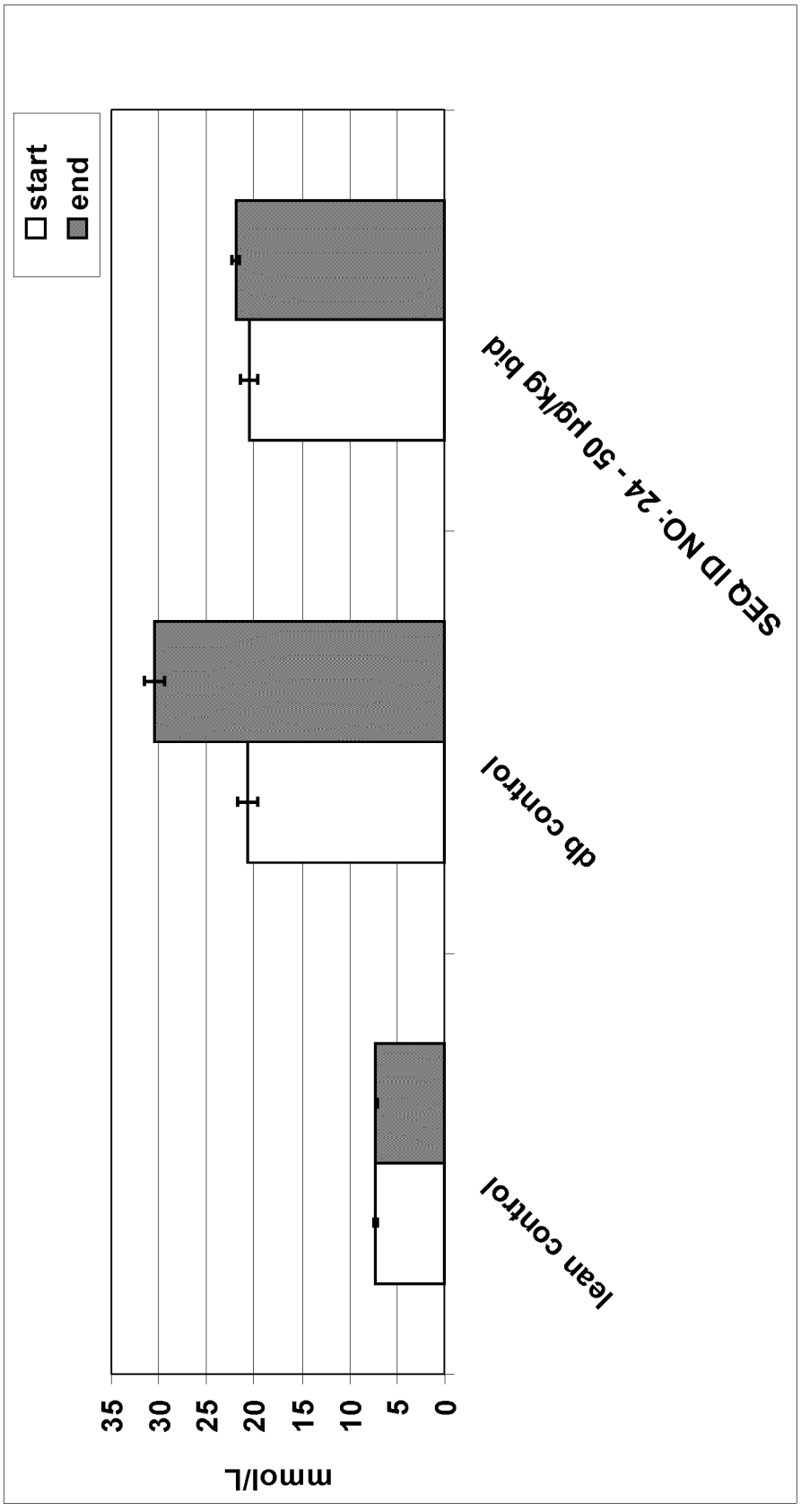
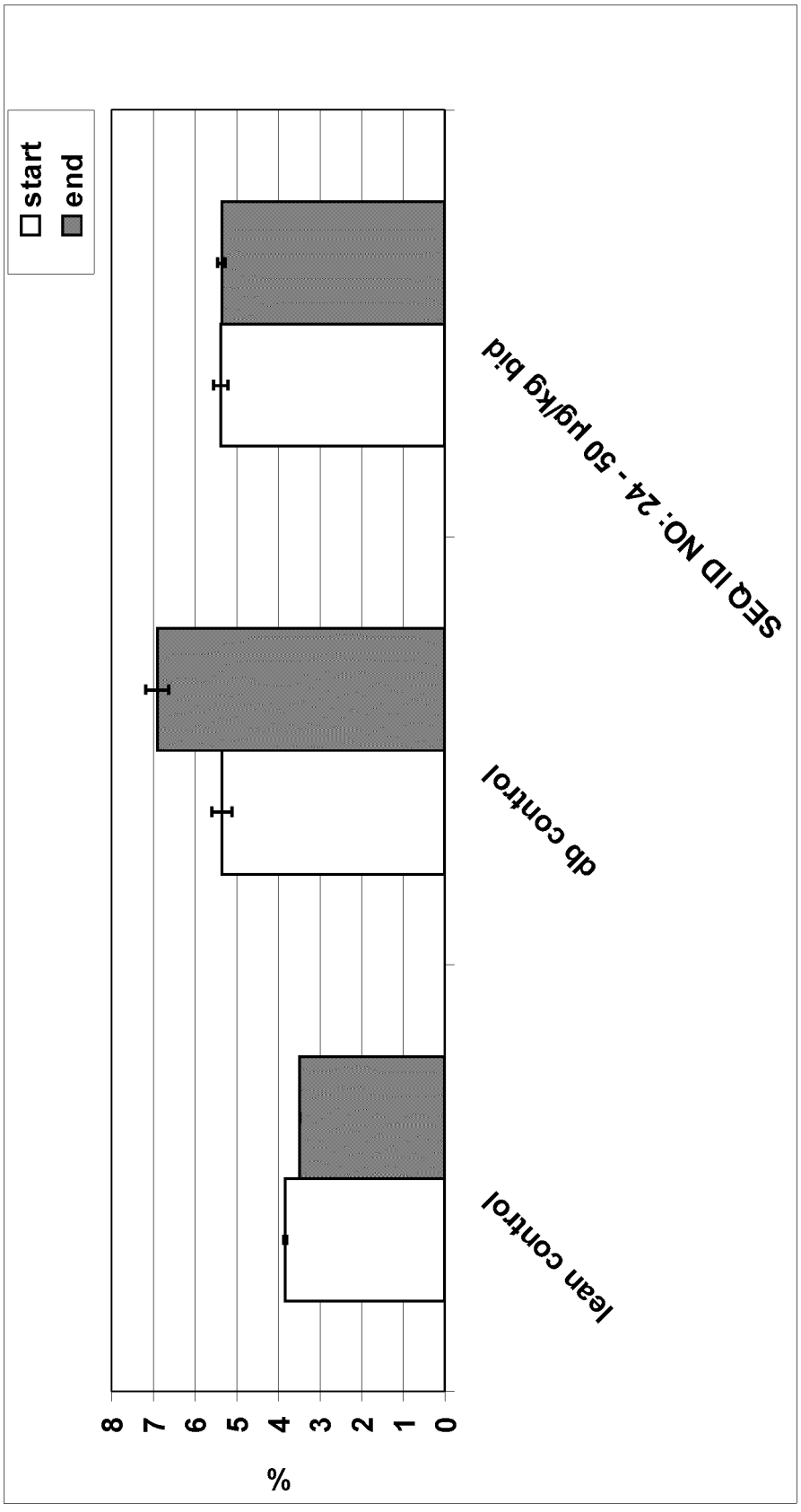

start
end
mmol/L
35
30
25
20
15
10
5
0
lean control
db control
SEQ ID NO: 24 - 50 µg/kg bid

Fig. 12:


start
end
SEQ ID NO: 24 - 50 µg/kg bid
db control
lean control
8
7
6
5
4
3
2
1
0
%