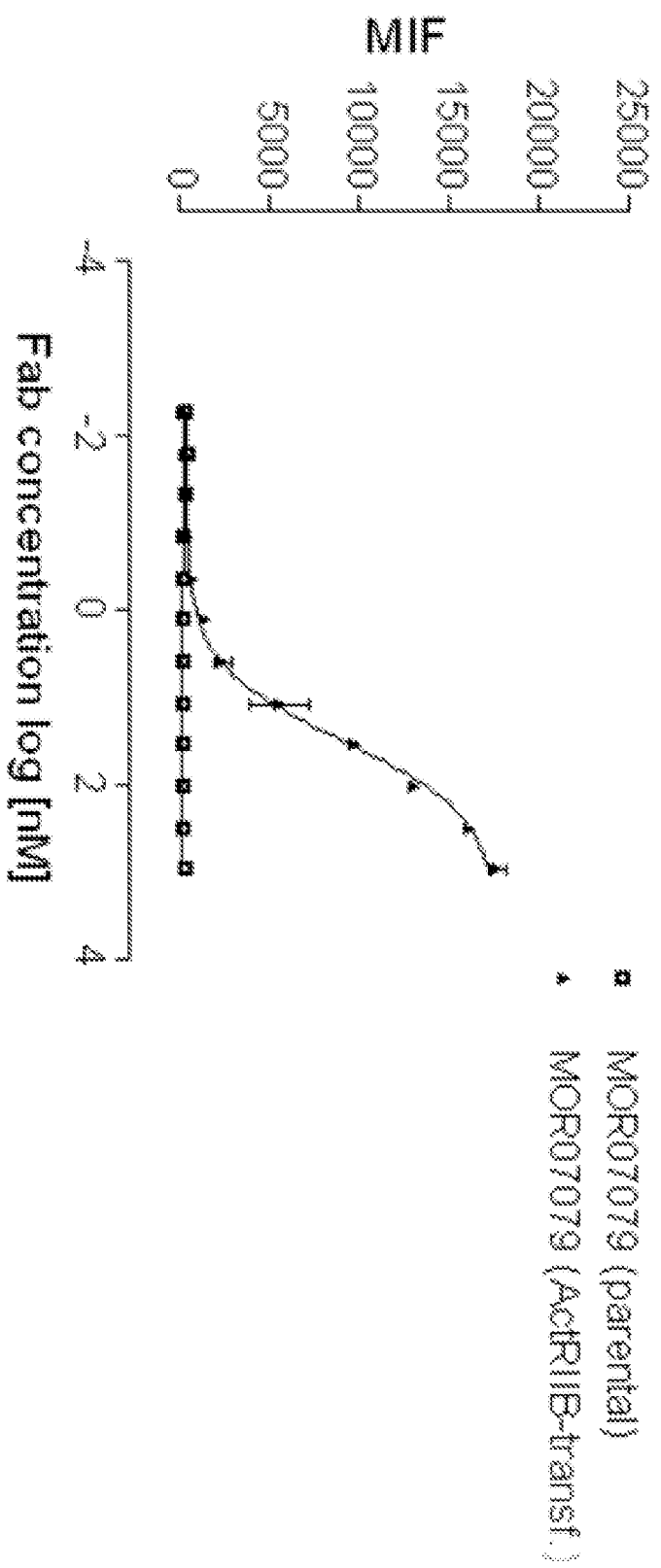
Figure 1


MIF
25000
20000
15000
10000
5000
0
Fab concentration log [nM]
4
2
0
2
4
MOR07079 (parental)
MOR07079 (ActRIIB-transf.)

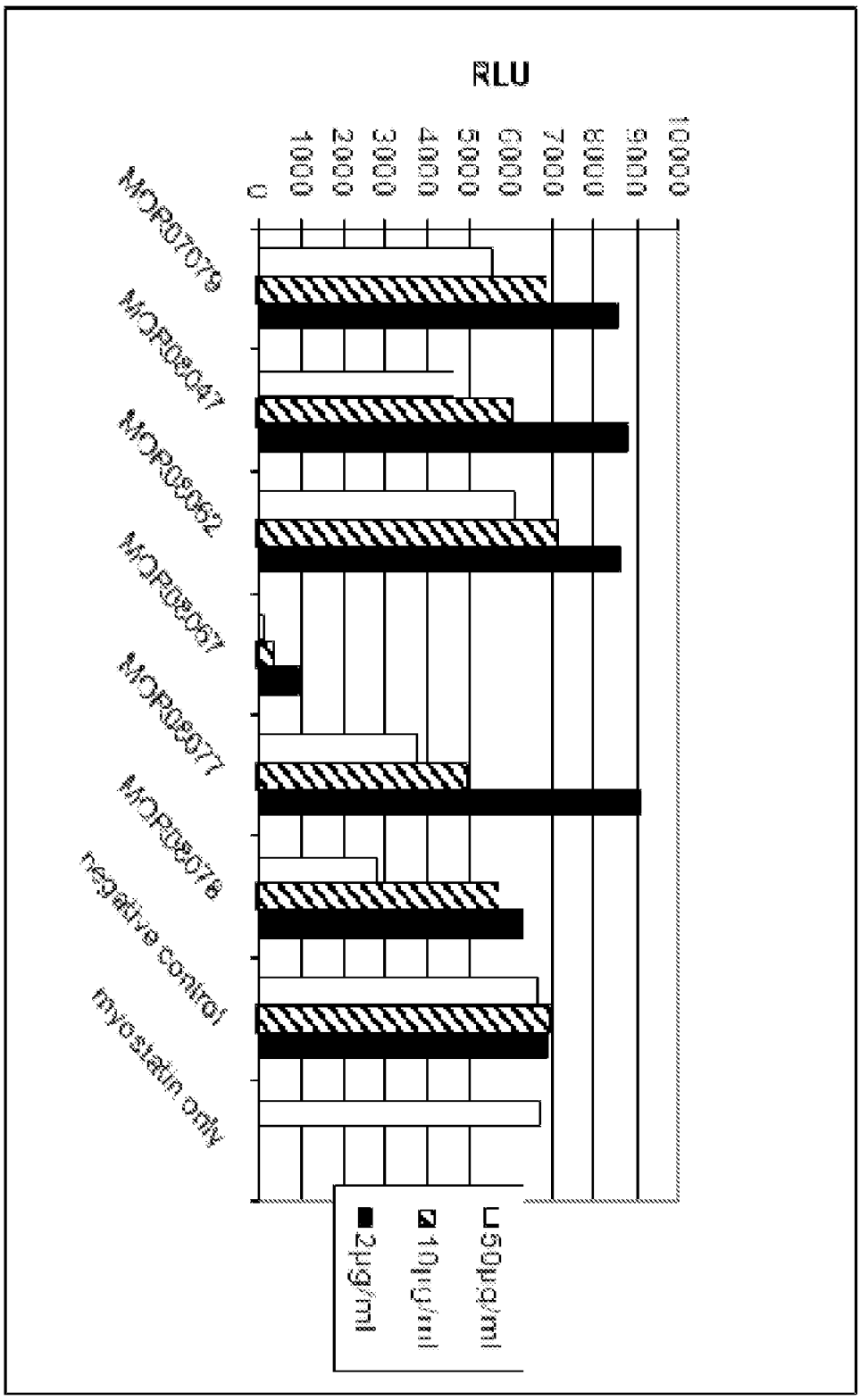
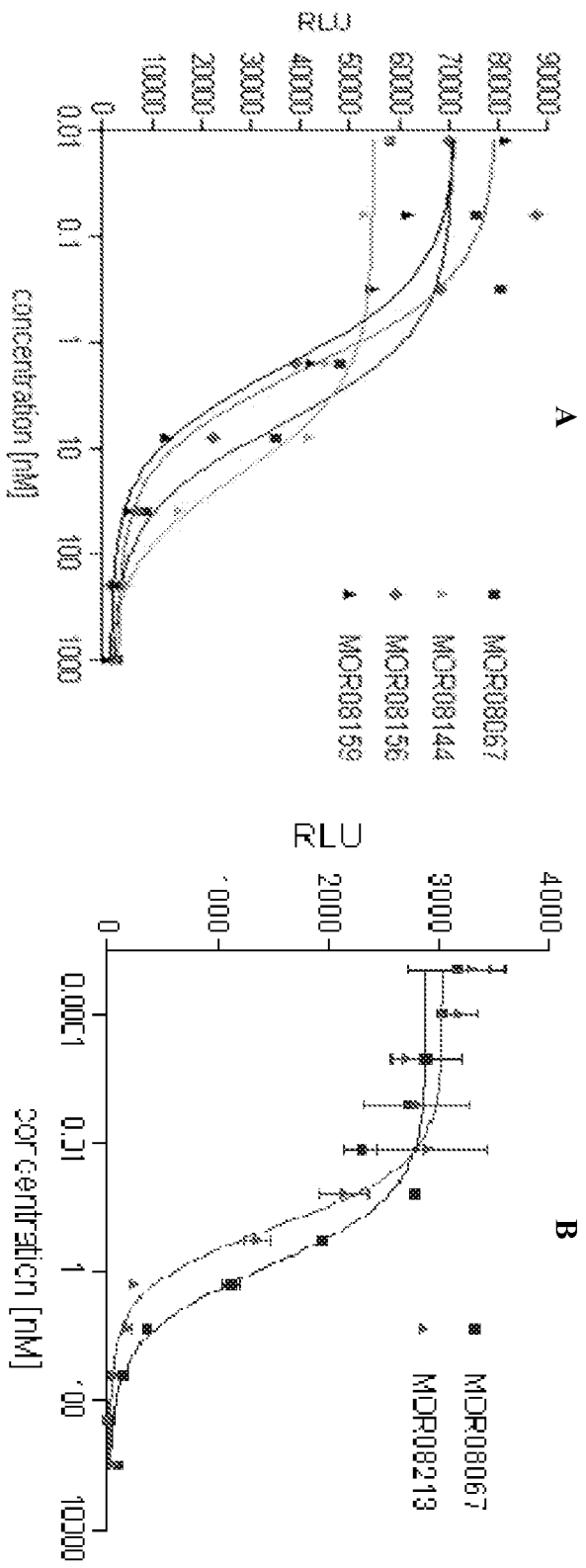

RLU
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
MOPR07079
MOPR08047
MOPR09962
MOPR08067
MOPR09977
MOPR09978
negative control
nystatin only
50µg/ml
10µg/ml
2µg/ml

Figure 2

Figure 3


A
RLU
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.01
0.1
1
10
100
1000
concentration [nM]
MDR08067
MDR08144
MDR08153
MDR08159
B
RLU
4000
3000
2000
1000
0
0.0001
0.01
1
100
10000
concentration [nM]
MDR08067
MDR08213

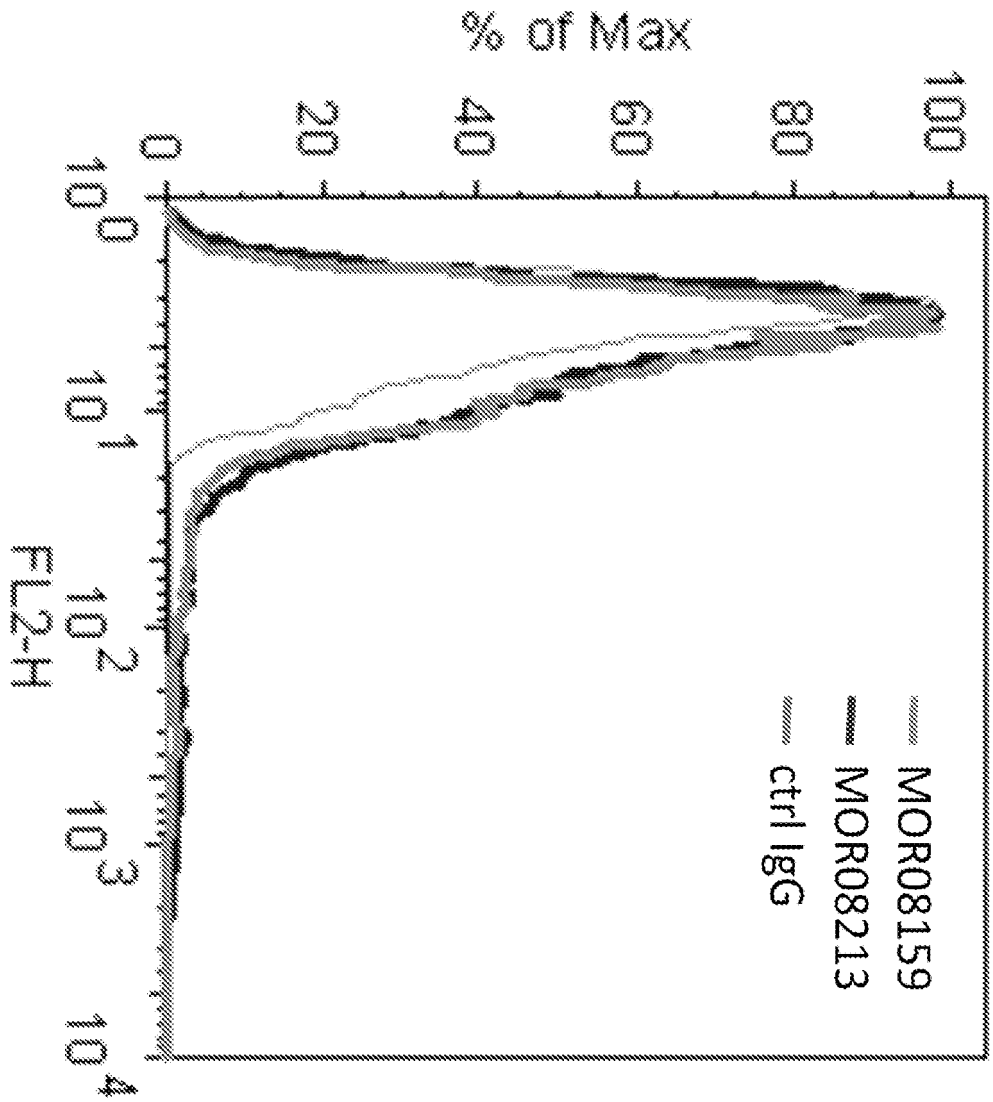

% of Max
0
20
40
60
80
100
FL2-H
10^0
10^1
10^2
10^3
10^4
MOR08159
MOR08213
ctrl IgG

Figure 4

Figure 5

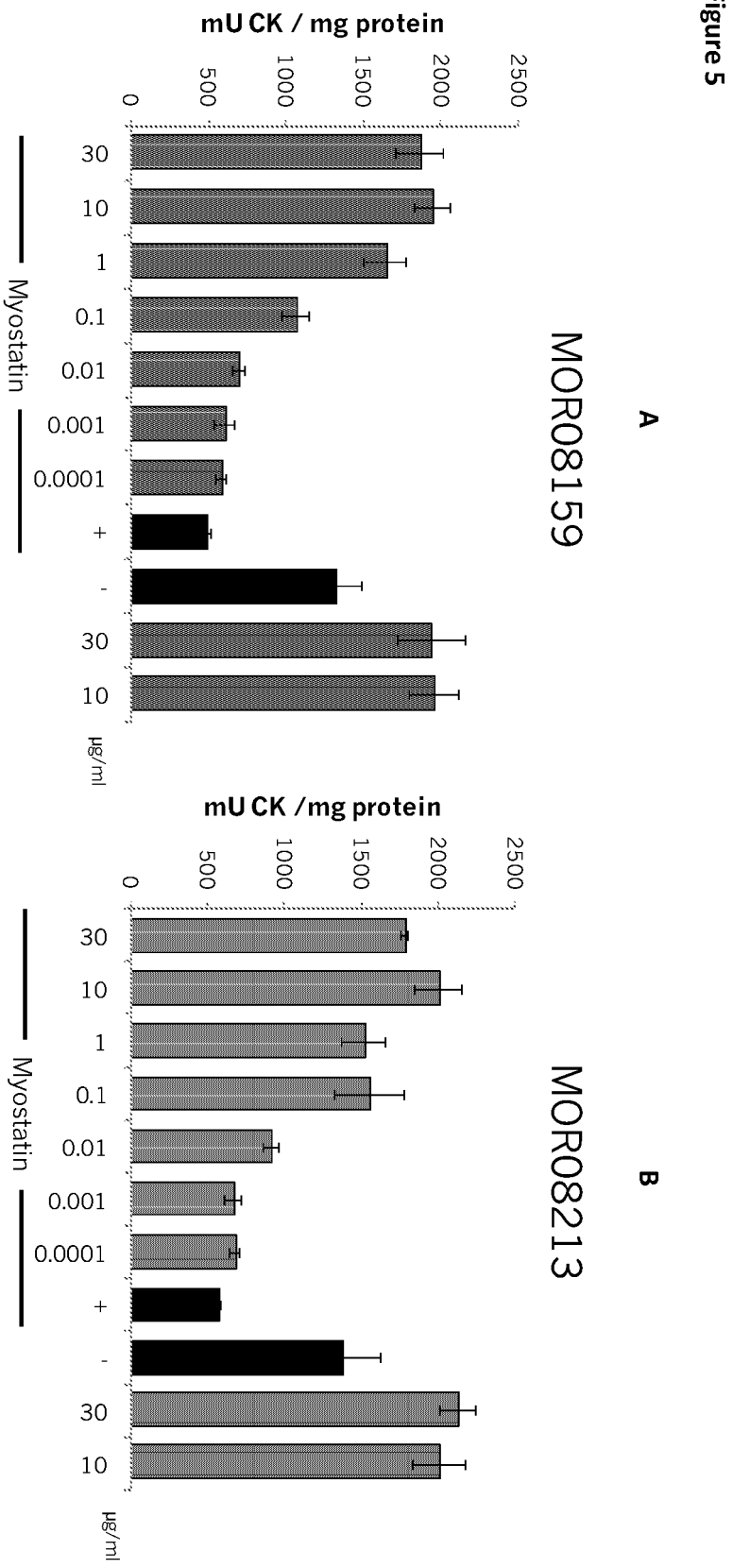

A
MOR08159
mU CK / mg protein
0
500
1000
1500
2000
2500
Myostatin
30
10
1
0.1
0.01
0.001
0.0001
+
-
30
10
µg/ml
B
MOR08213
mU CK /mg protein
0
500
1000
1500
2000
2500
Myostatin
30
10
1
0.1
0.01
0.001
0.0001
+
-
30
10
µg/ml

Figure 6

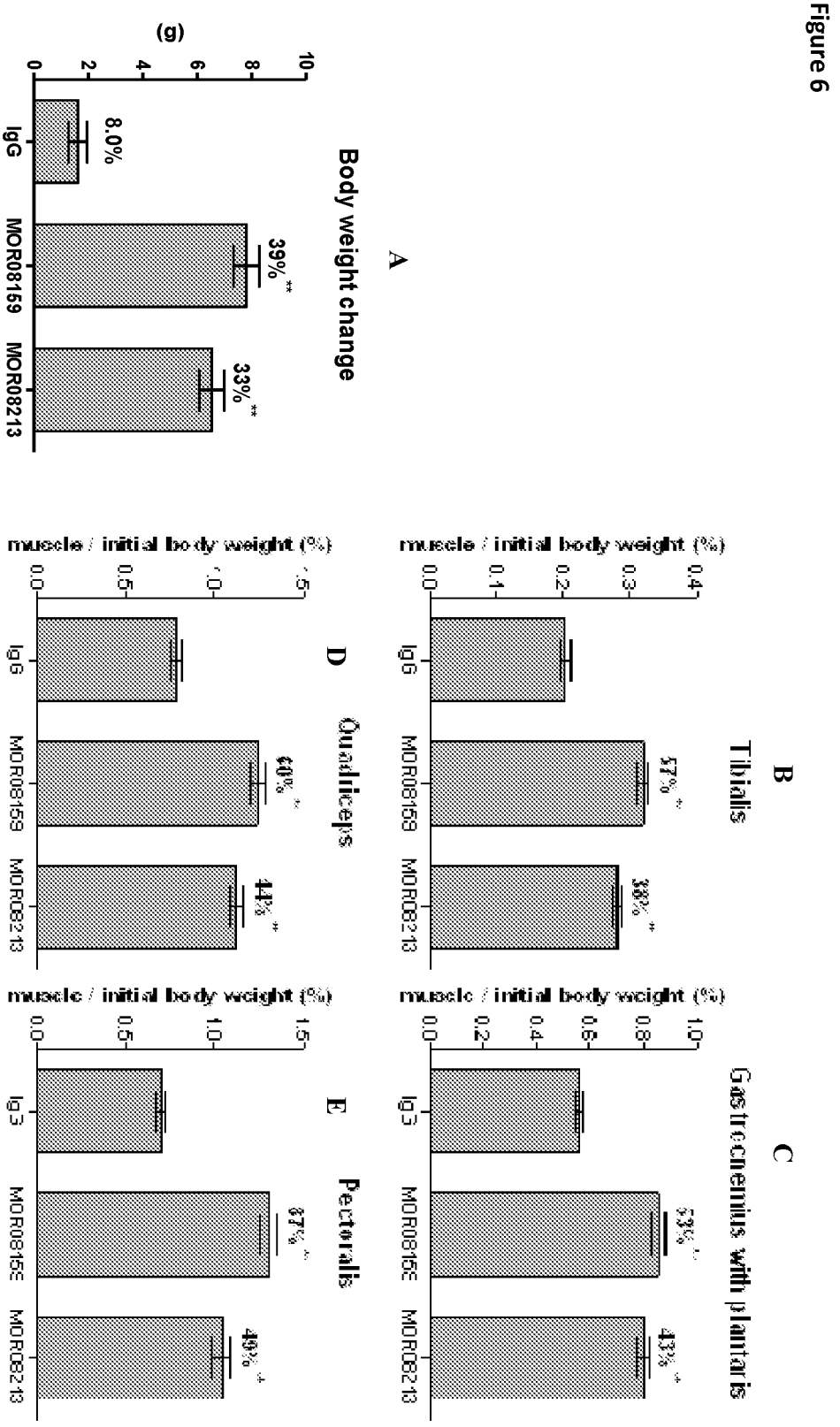
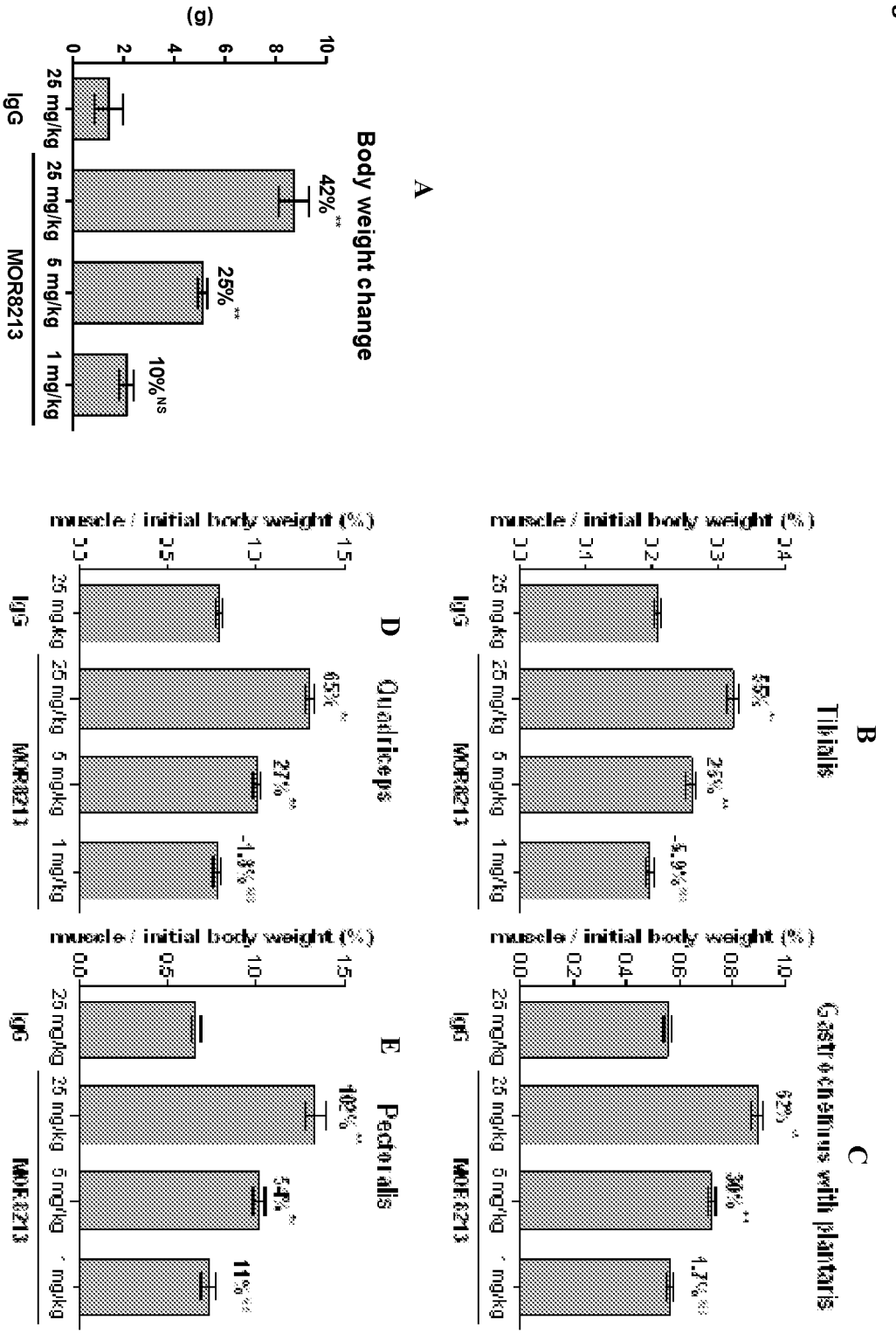

A
Body weight change
(g)
8.0%
39%
33%
IgG
MOR08159
MOR08213
B
Tibialis
C
Gastrocnemius with plantaris
D
Quadriceps
E
Pectoralis
muscle / initial body weight (%)

Figure 7


A
Body weight change
(g)
42%**
25%**
10%NS
25 mg/kg
25 mg/kg
5 mg/kg
1 mg/kg
IgG
MOR8213
B
Tibialis
muscle / initial body weight (%)
55%*
25%**
-5.9%NS
C
Gastrocnemius with plantaris
62%*
30%**
1.7%NS
D
Quadriceps
65%*
27%**
-1.8%NS
E
Pectoralis
102%**
54%*
11%NS

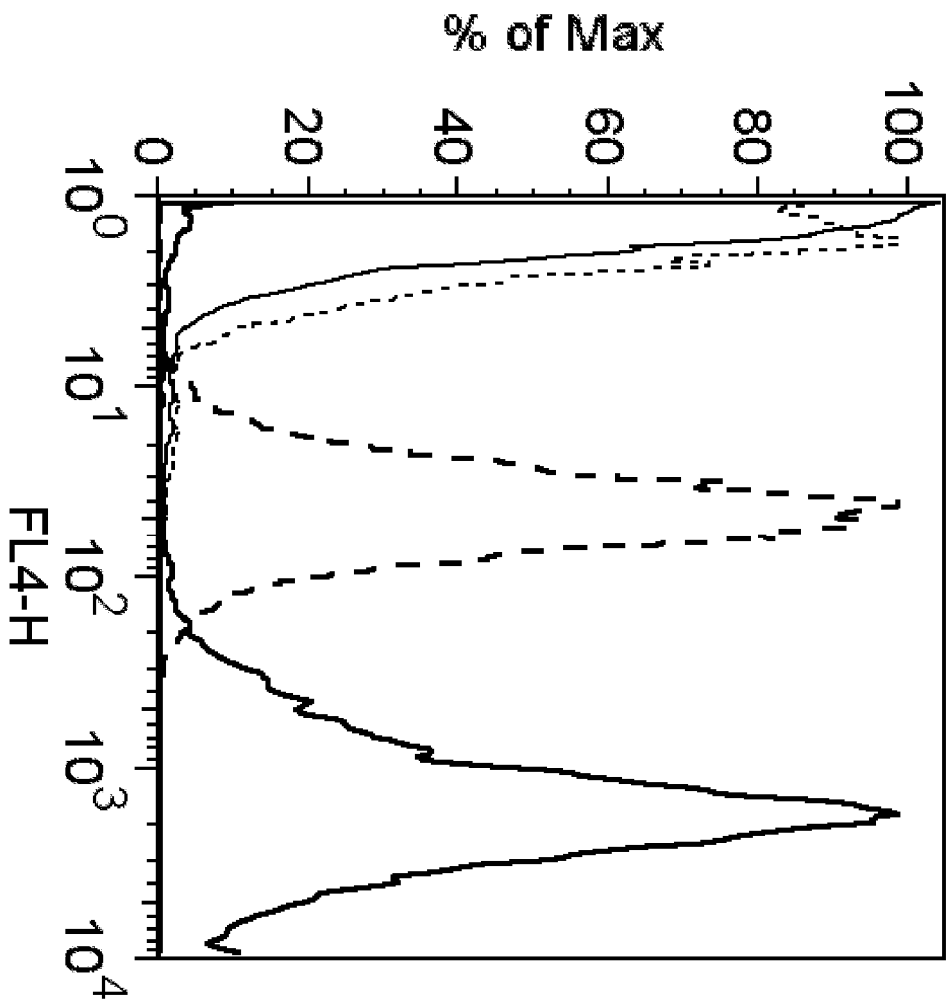
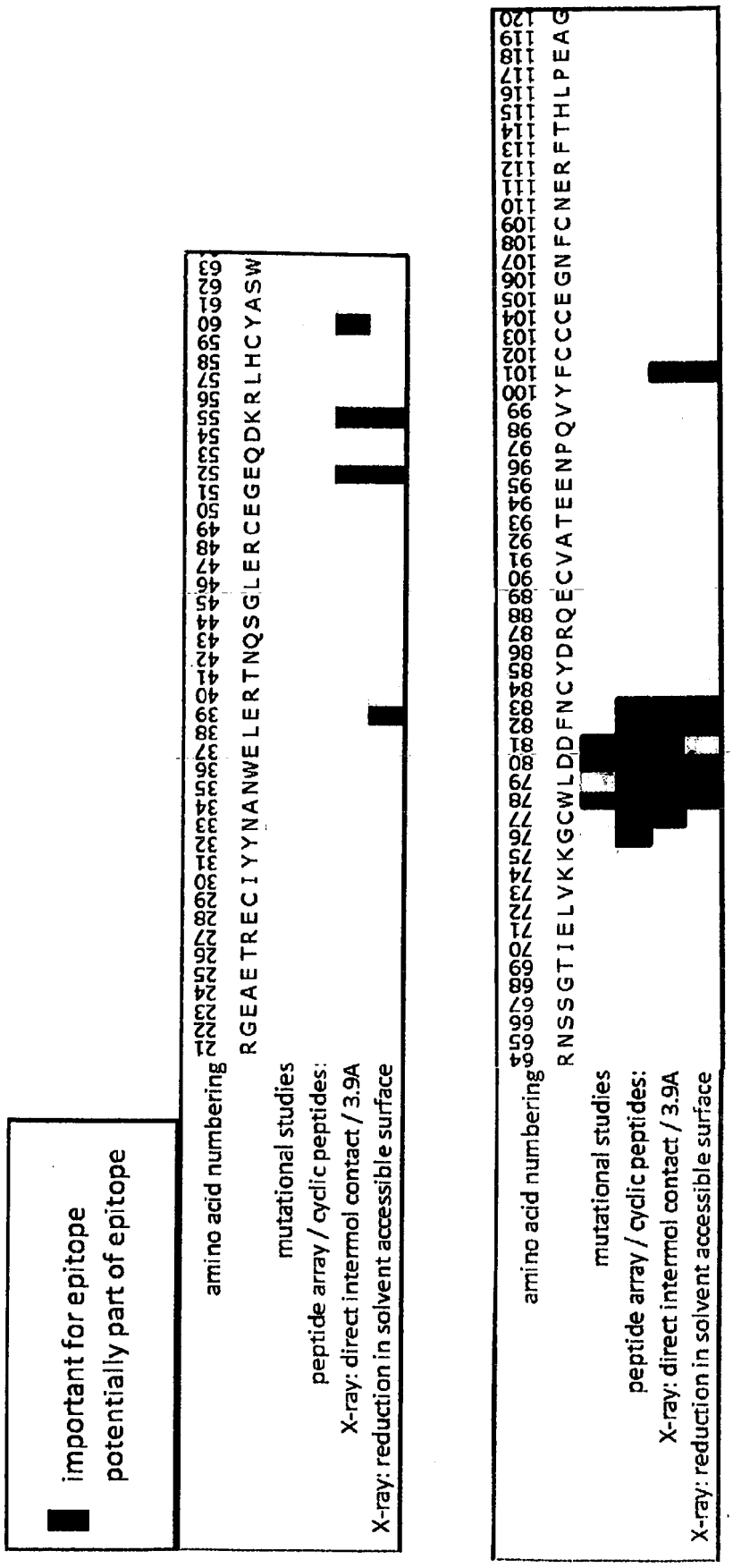


Figure 8

Figure 9


important for epitope
potentially part of epitope
amino acid numbering
RGEAETRECIYYNANWELERTNQSGLERCEGEQDKRLHCYASW
mutational studies
peptide array / cyclic peptides:
X-ray: direct intermol contact / 3.9A
X-ray: reduction in solvent accessible surface
amino acid numbering
RNSSGTIELVKKGCWLDDFNCYDRQECVATEENPQVYFCCCEGNFCNERFTHLPEAG
mutational studies
peptide array / cyclic peptides:
X-ray: direct intermol contact / 3.9A
X-ray: reduction in solvent accessible surface