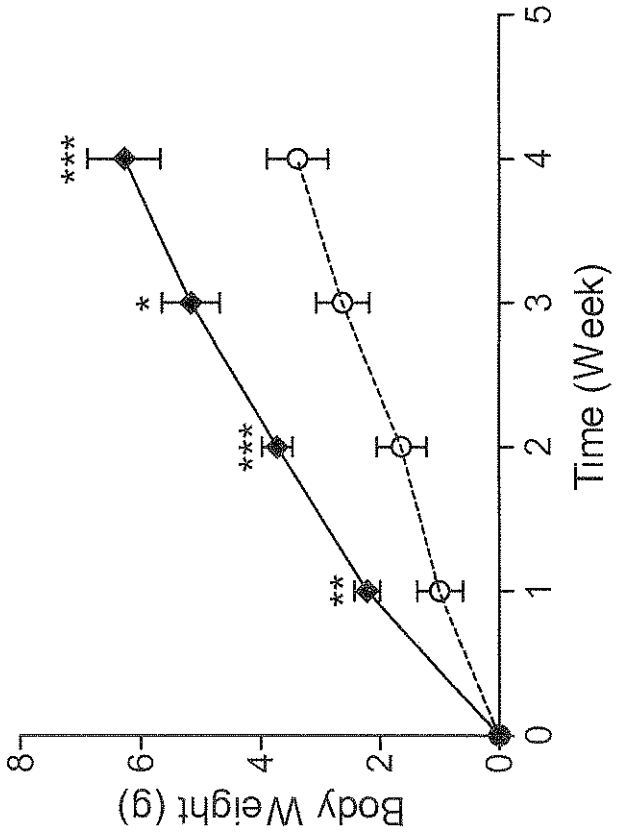
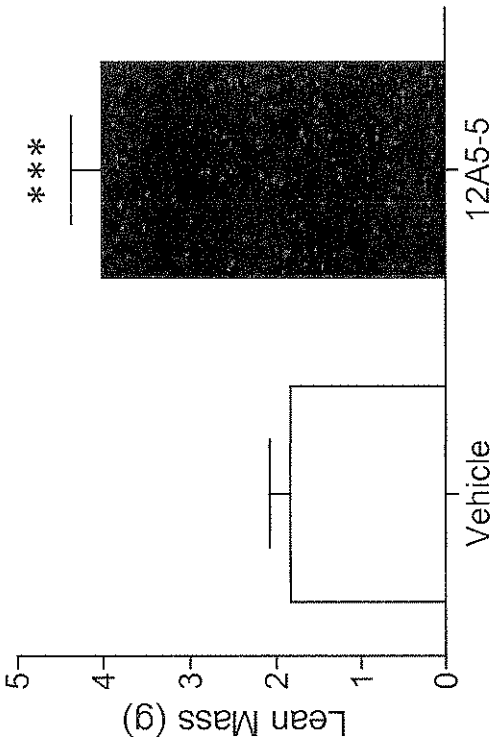


Figure 1



*: p<0.05; **: P<0.01; ***: p<0.001

Figure 2

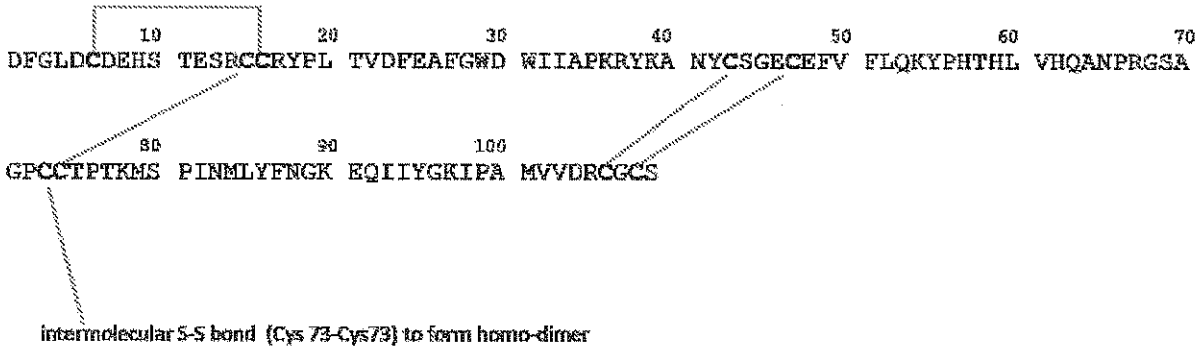

10 20 30 40 50 60 70
DFGLDCDEHS TESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGECEFV FLQKYPHTHL VHQANPRGSA
80 90 100
GPCCTPTKMS PINMLYFNGK EQIIYGKIPA MVVDRCGCS
intermolecular S-S bond (Cys 73-Cys73) to form homo-dimer

Figure 3

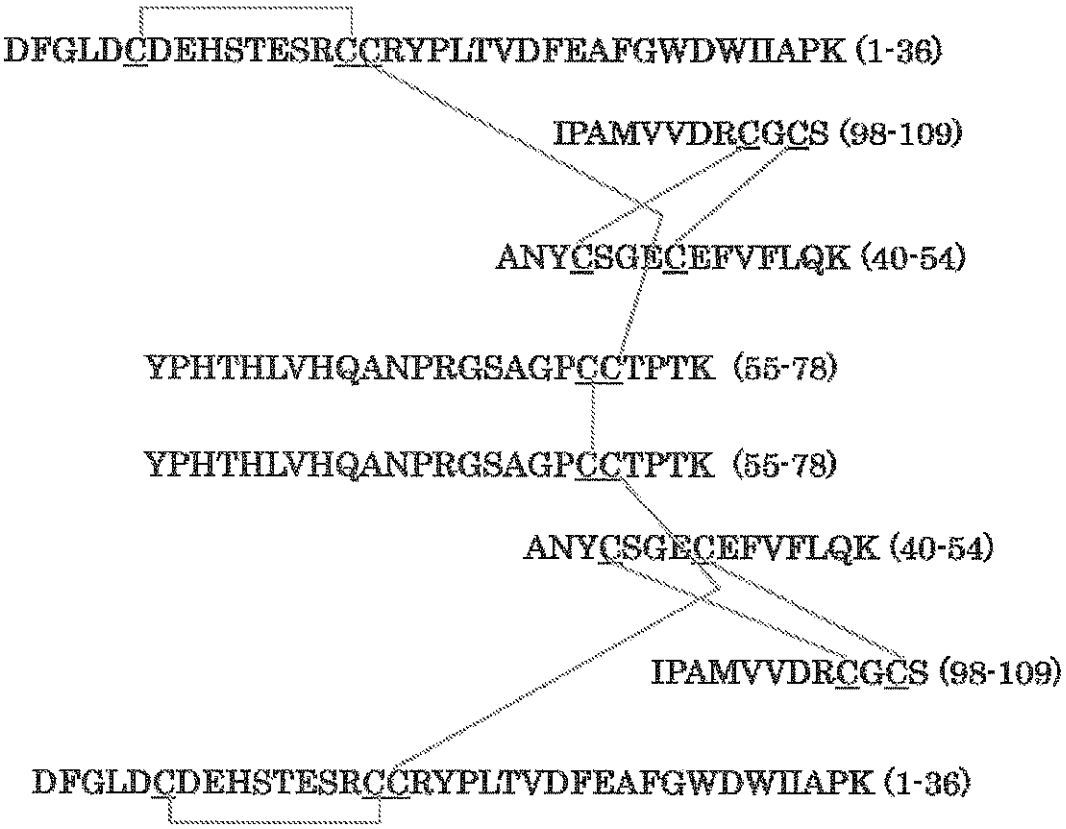

DFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPK (1-36)
IPAMVVDRCGCS (98-109)
ANYCSGECEFVFLQK (40-54)
YPHTHLVHQANPRGSAGPCCTPTK (55-78)
YPHTHLVHQANPRGSAGPCCTPTK (55-78)
ANYCSGECEFVFLQK (40-54)
IPAMVVDRCGCS (98-109)
DFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPK (1-36)

Figure 4

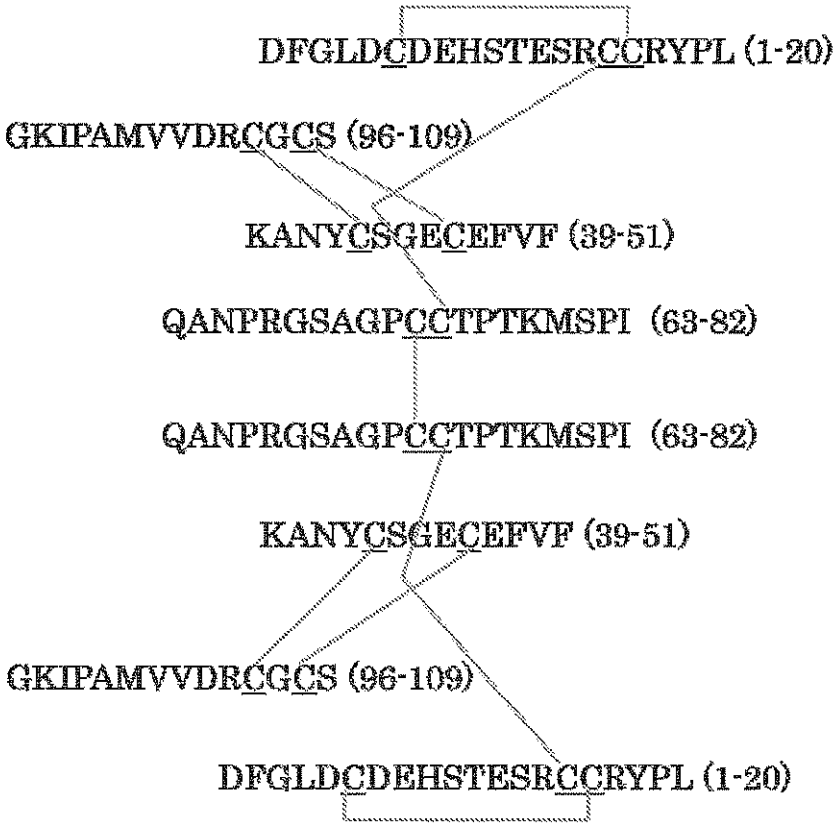

DFGLDCDEHSTESRCCRYPL (1-20)
GKIPAMVVDRCGCS (96-109)
KANYCSGECEFVF (39-51)
QANPRGSAGPCCTPTKMSPI (63-82)
QANPRGSAGPCCTPTKMSPI (63-82)
KANYCSGECEFVF (39-51)
GKIPAMVVDRCGCS (96-109)
DFGLDCDEHSTESRCCRYPL (1-20)

Figure 5

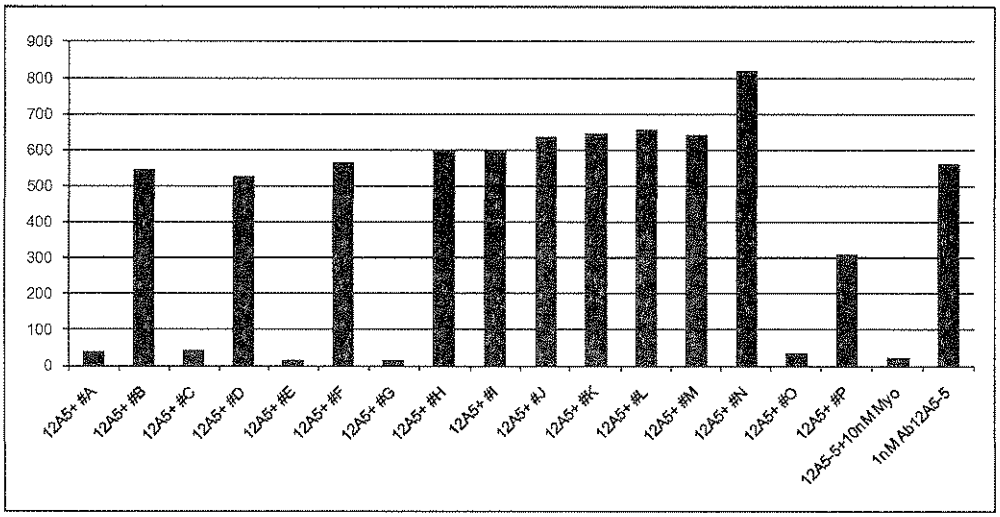

900
800
700
600
500
400
300
200
100
0
12A5+ #A
12A5+ #B
12A5+ #C
12A5+ #D
12A5+ #E
12A5+ #F
12A5+ #G
12A5+ #H
12A5+ #I
12A5+ #J
12A5+ #K
12A5+ #L
12A5+ #M
12A5+ #N
12A5+ #O
12A5+ #P
12A5-5+10mMMyo
1nMAb12A5-5

Figure 6

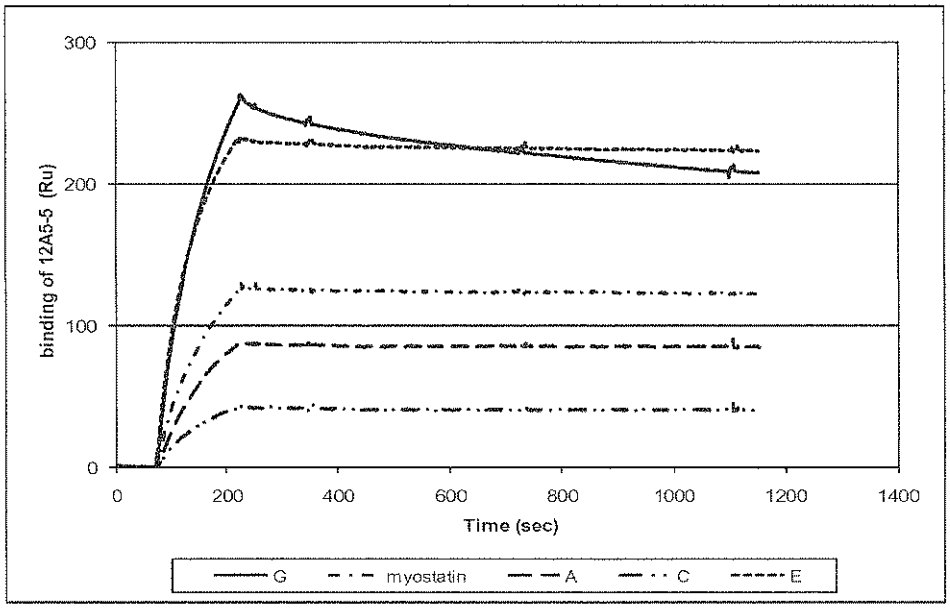

300
200
100
0
binding of 12A5-5 (Ru)
0
200
400
600
800
1000
1200
1400
Time (sec)
G
myostatin
A
C
E

Figure 7

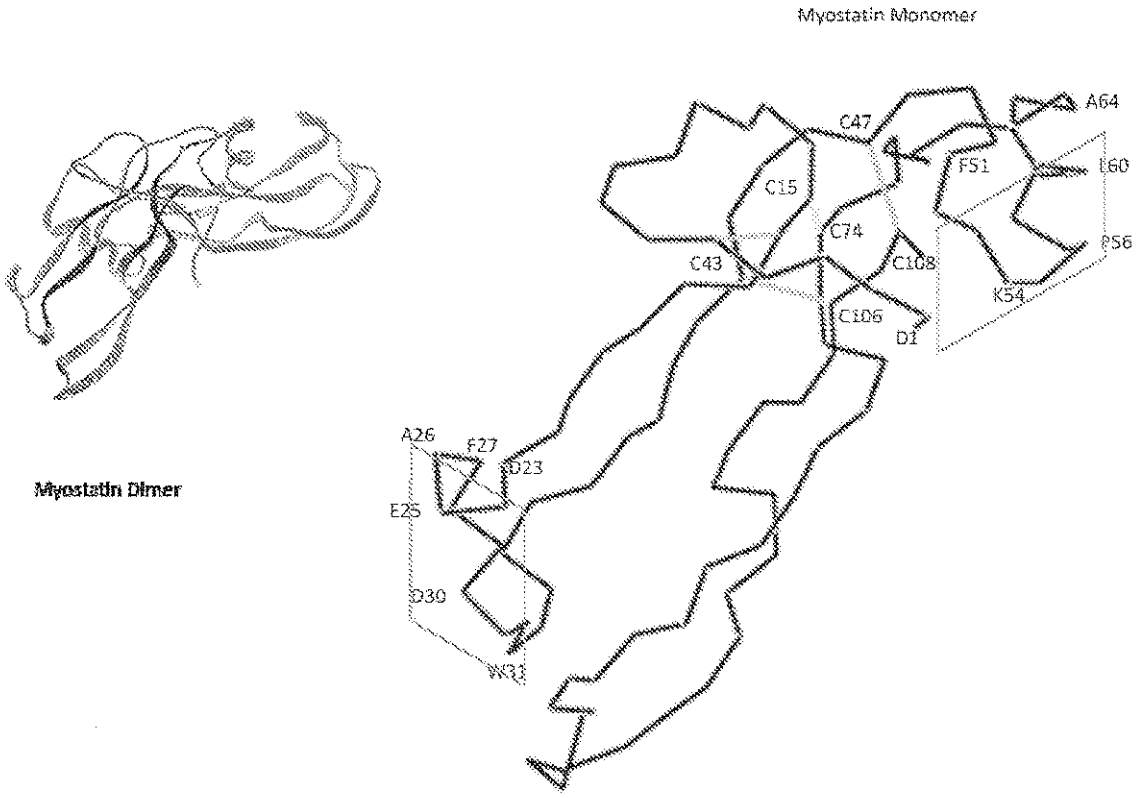

Myostatin Monomer
Myostatin Dimer
A64
C47
C15
F51
E60
C74
P56
C43
C108
K54
C106
D1
A26
F27
D23
E25
D30
K31

Figure 8