
Xyn1 5' flank
cDNA1
STT3 promoter
trpC terminator
AscI, FseI, NotI
pyr4 loopout cassette
Xyn1 3' flank
FseI
PacI
PacI
NotI

Figure 1

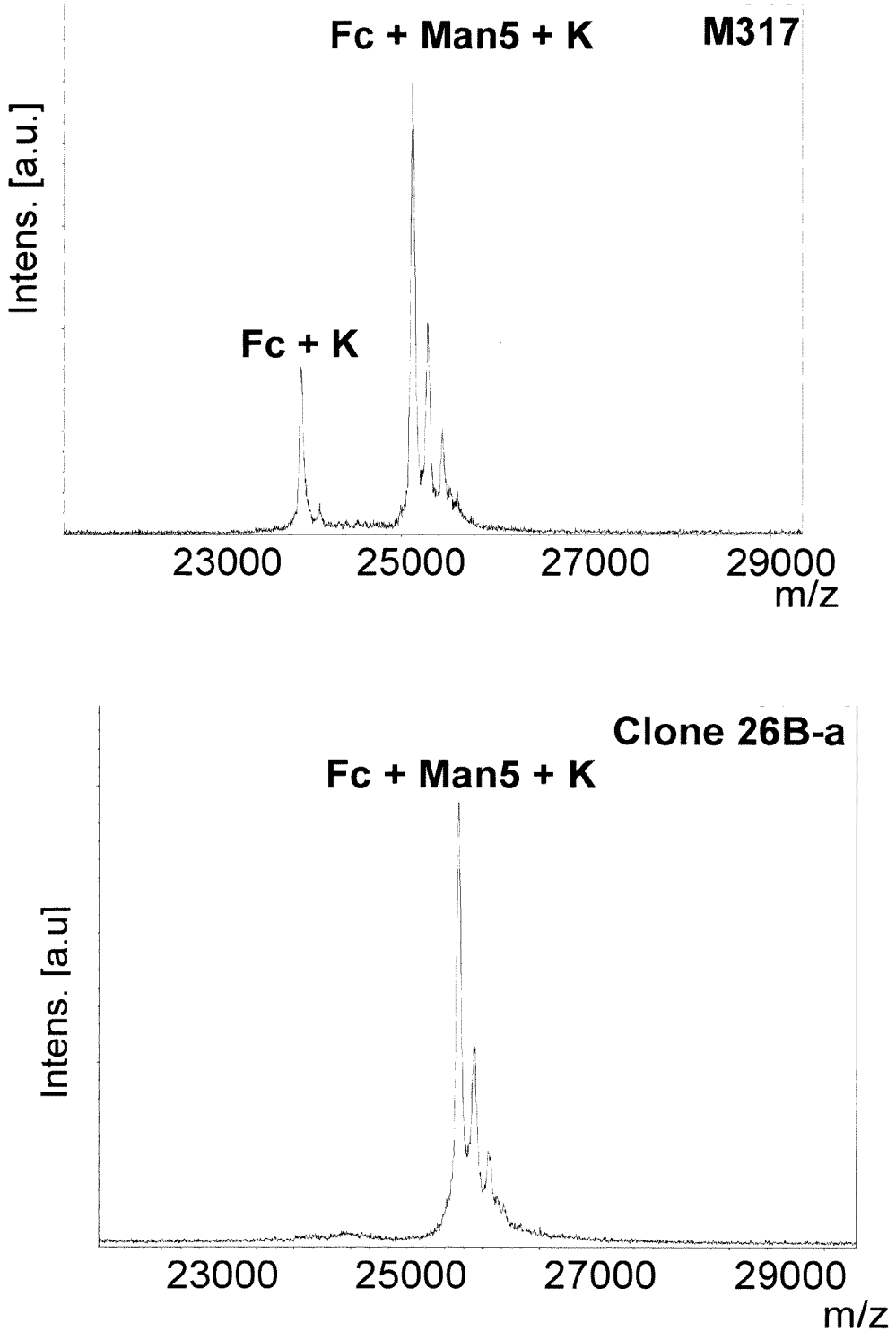

Fc + Man5 + K
M317
Intens. [a.u.]
Fc + K
23000
25000
27000
29000
m/z
Clone 26B-a
Fc + Man5 + K
Intens. [a.u]
23000
25000
27000
29000
m/z

Figure 2

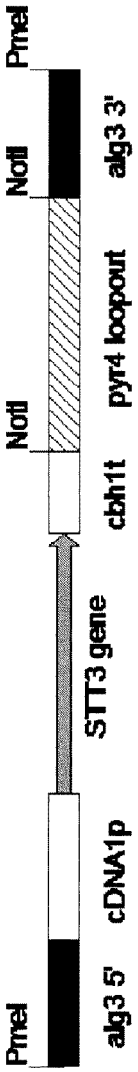
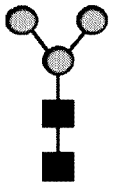
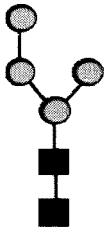

PmeI
NotI
alg3 3'
NotI
pyr4 koopout
cbh1t
STT3 gene
cDNA1p
alg3 5'
PmeI

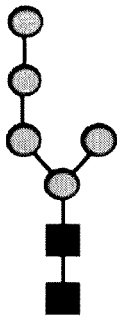
Figure 3



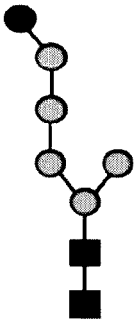
Man3



Man4



Man5



Hex6

Figure 4

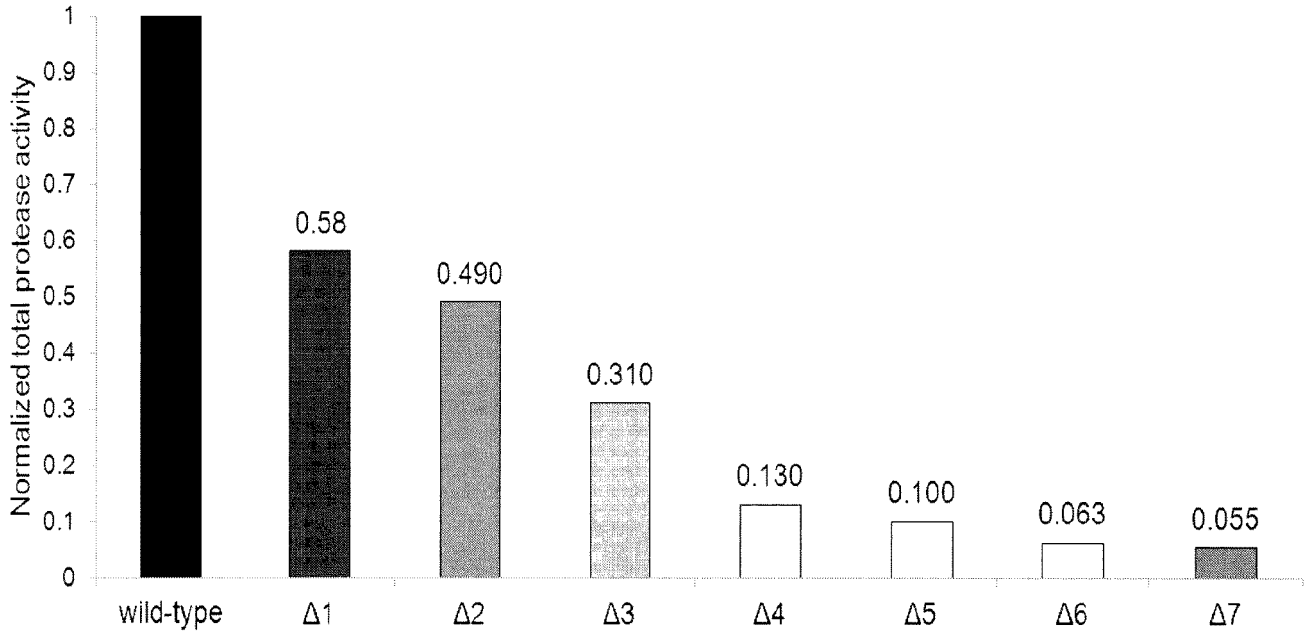

Normalized total protease activity
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.58
0.490
0.310
0.130
0.100
0.063
0.055
wild-type
Δ1
Δ2
Δ3
Δ4
Δ5
Δ6
Δ7

Figure 5