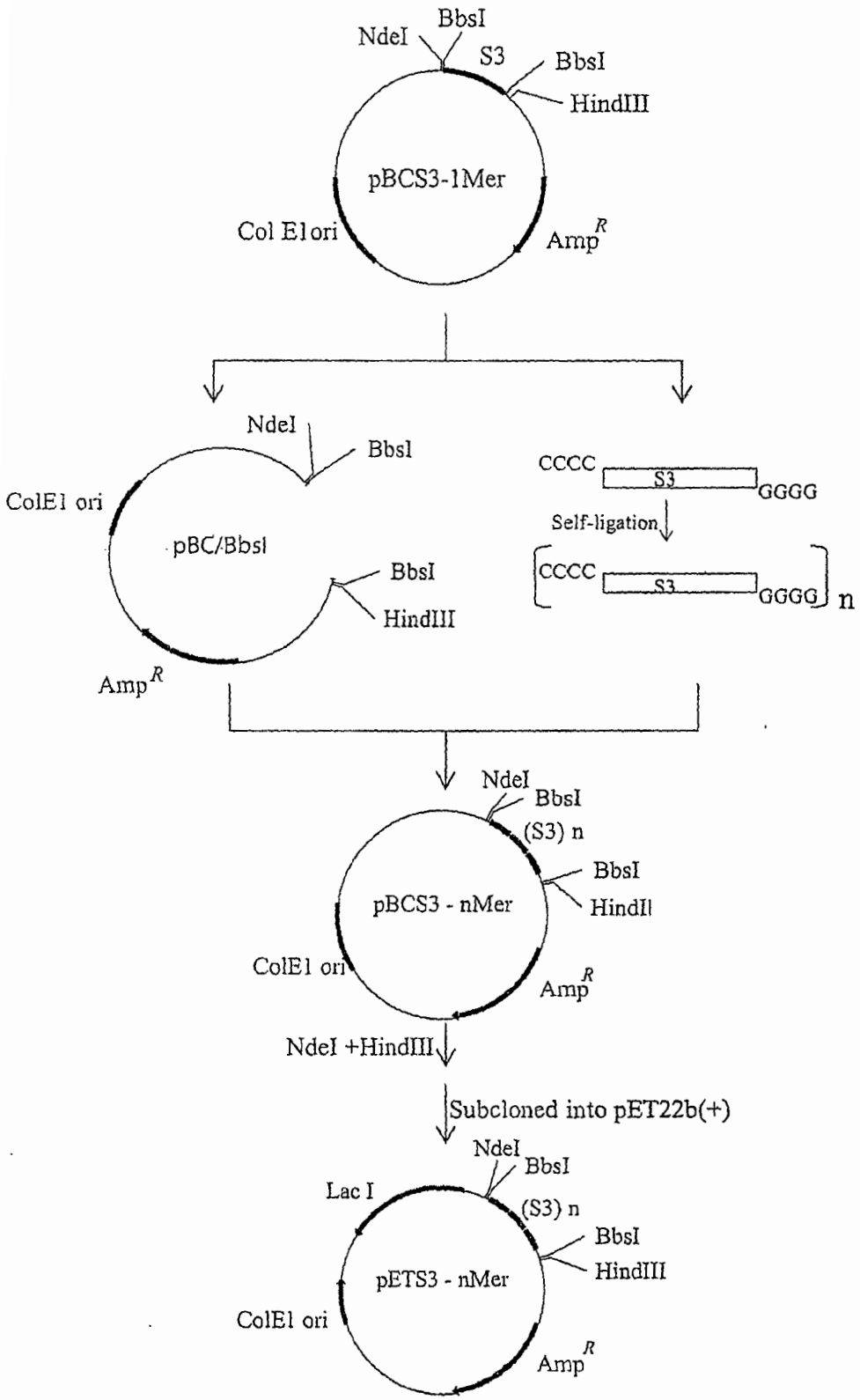

NdeI
BbsI
S3
BbsI
HindIII
pBCS3-1Mer
Col E1 ori
Amp^R
NdeI
BbsI
ColE1 ori
pBC/BbsI
BbsI
HindIII
Amp^R
CCCC
S3
GGGG
Self-ligation
CCCC
S3
GGGG
n
NdeI
BbsI
(S3) n
BbsI
HindIII
pBCS3 - nMer
ColE1 ori
Amp^R
NdeI +HindIII
Subcloned into pET22b(+)
NdeI
BbsI
Lac I
(S3) n
BbsI
HindIII
pETS3 - nMer
ColE1 ori
Amp^R

FIG. 1

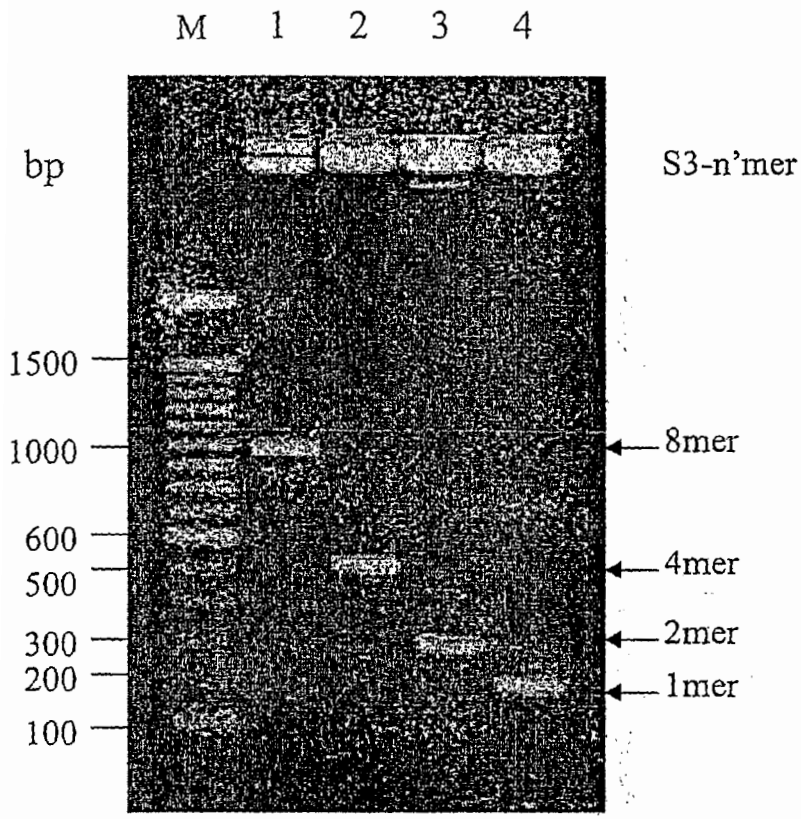

M
1
2
3
4
bp
S3-n'mer
1500
1000
600
500
300
200
100
8mer
4mer
2mer
1mer

FIG. 2A

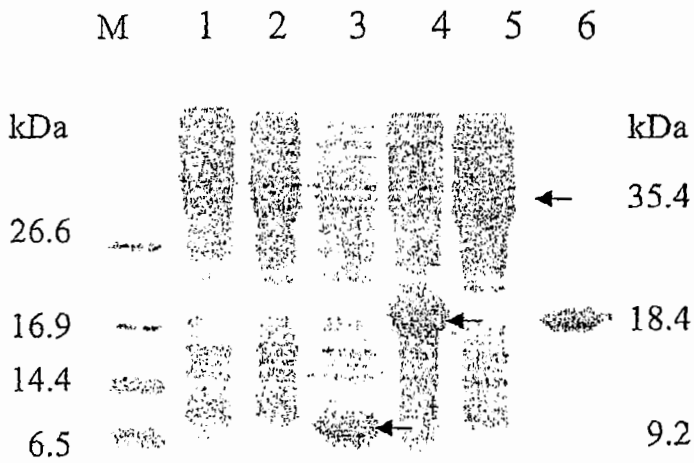

M
1
2
3
4
5
6
kDa
kDa
26.6
16.9
14.4
6.5
35.4
18.4
9.2

FIG. 2B

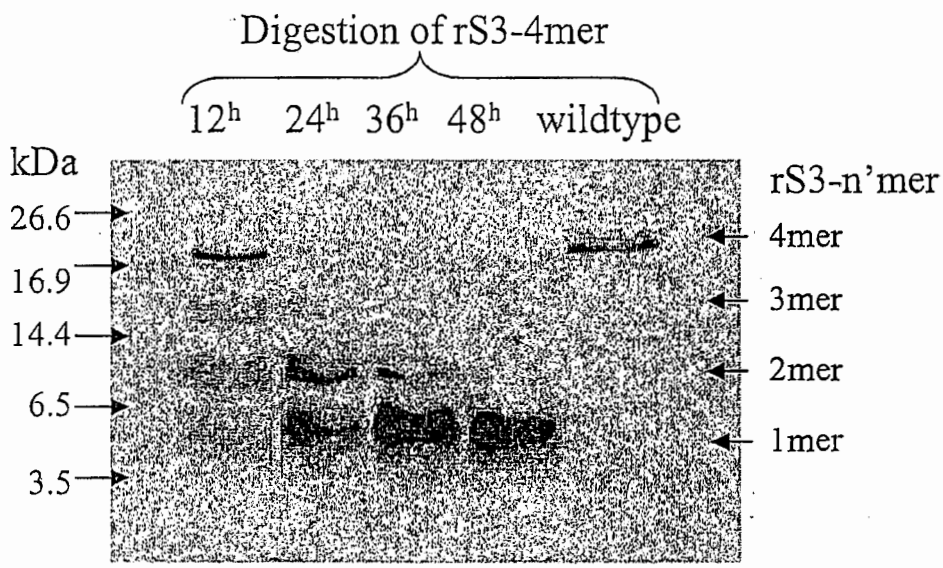

Digestion of rS3-4mer
12h 24h 36h 48h wildtype
kDa
26.6
16.9
14.4
6.5
3.5
rS3-n'mer
4mer
3mer
2mer
1mer

FIG. 3A

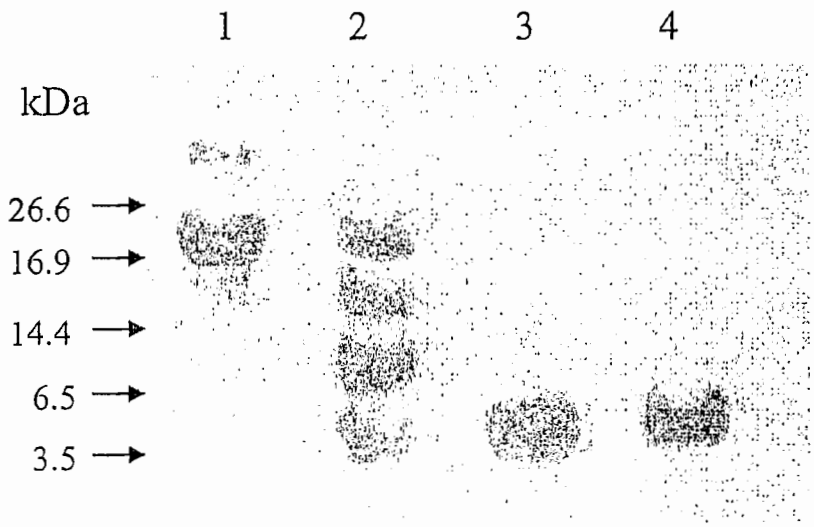

1 2 3 4
kDa
26.6
16.9
14.4
6.5
3.5

FIG. 3B

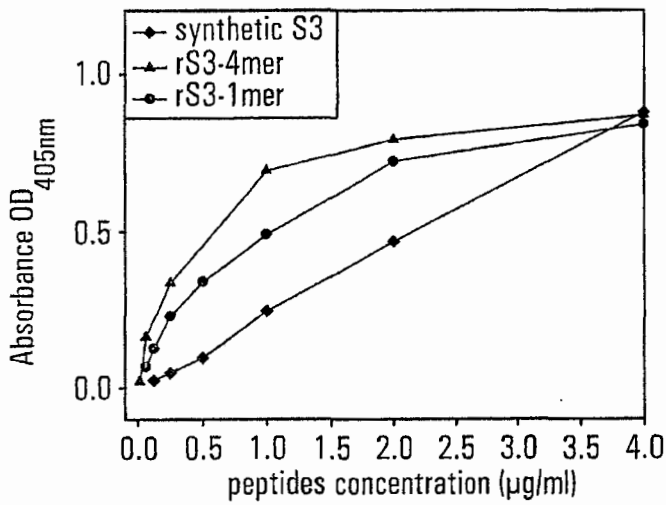


FIG. 4

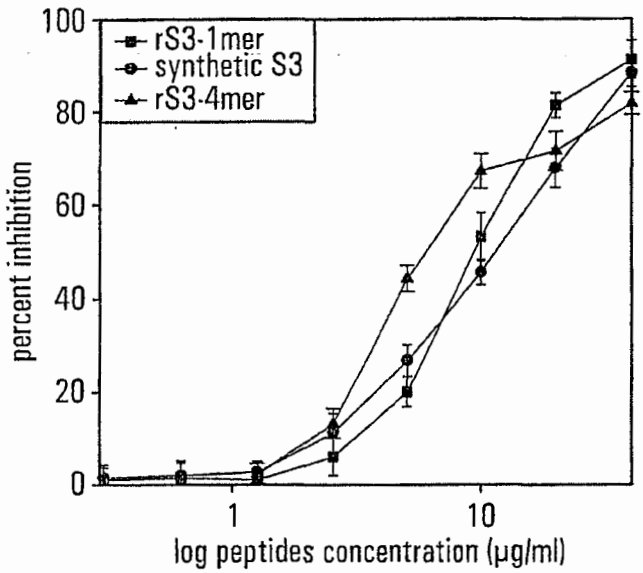


FIG. 5A

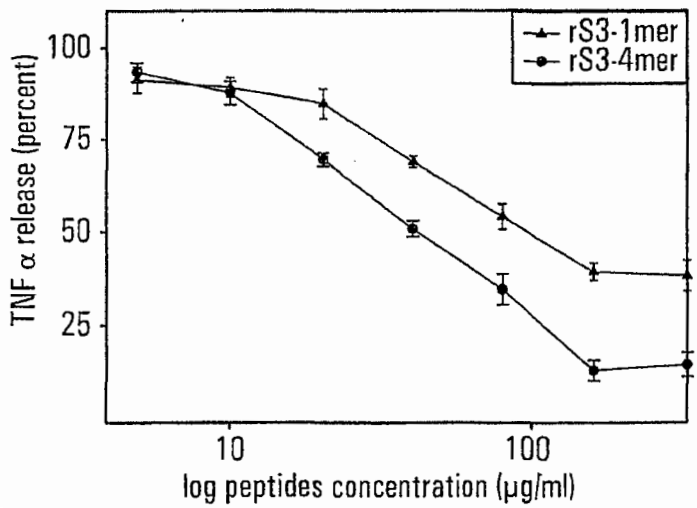


FIG. 5B