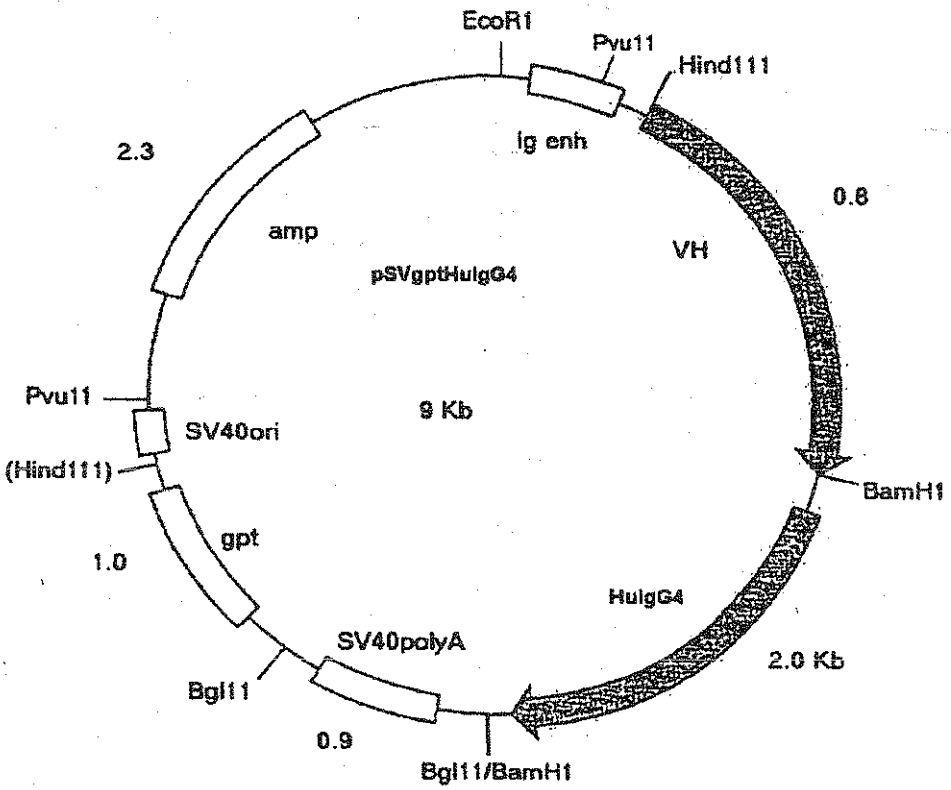


FIG 1
(example 2)

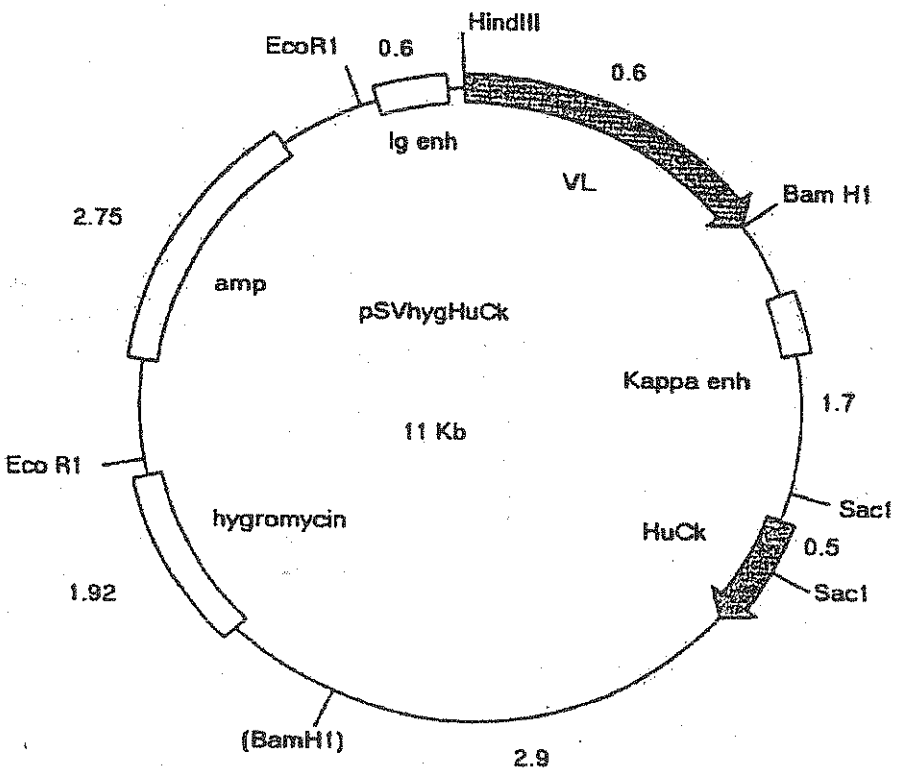


FIG 2(Example 2)


HindIII
AAGCTTATGAATATGCAAATCCTCTGAATCTACATGGTAAATATAGGTTTGTCTATACCACAAACAGAAAAACATGAGATCACAGTTCTCTCTACAGTTA
TTCGAATACTTATACGTTTAGGAGACTTAGATGTACCATTTATATCCAAACAGATATGGTGTTTGTCTTTTTGTACTCTAGTGTCAAGAGAGATGTCAAT
10
NcoI
CTGAGCACACAGGACCTCACCATGGGATGGACCTGTATCATCCTCTTCTTGGTAGCAACAGCTACAGGTAAGGGGCTCACAGTAGCAGGCTTGAGGTCTG
GACTCGTGTGTCCTGGAGTGGTACCCTACCTCGACATAGTAGGAGAAGAACCATCGTTGTCGATGTCCATTCCCCGAGTGTCATCGTCCGAACTCCAGAC
20
M G W S C I I L F L V A T A T
SIGNAL
GACATATATATGGGTGACAATGACATCCACTTTGCCTTTCTCTCCACAGGTGTCCACTCCGATGTTGTGATGACCCAAACTCCACTCTCCCTGCCTGTCA
CTGTATATATACCCACTGTTACTGTAGGTGAAACGGAAAGAGAGGTGTCCACAGGTGAGGCTACAACACTACTGGGTTTGAGGTGAGAGGGACGGACAGT
30
G V H S D V V M T Q T P L S L P V
SIG
C2 VK
BglII
KpnI
PstI
GTCTTGGAGATCAAGCCTCCATCTCTTGCAGATCTAGTCAGAGCCTTGTATATAGTAATGGAGACACCTATTTACATTGGTACCTGCAGAAGCCAGGCCA
CAGAACCTCTAGTTCGGAGGTAGAGAACGTCTAGATCAGTCTCGGAACATATATCATTACCTCTGTGGATAAATGTAACCATGGACGTCTTCGGTCCGGT
40
S L G D Q A S I S C R S S Q S L V Y S N G D T Y L H W Y L Q K P G Q
C2 VK
CDR1

FIG. 3-1

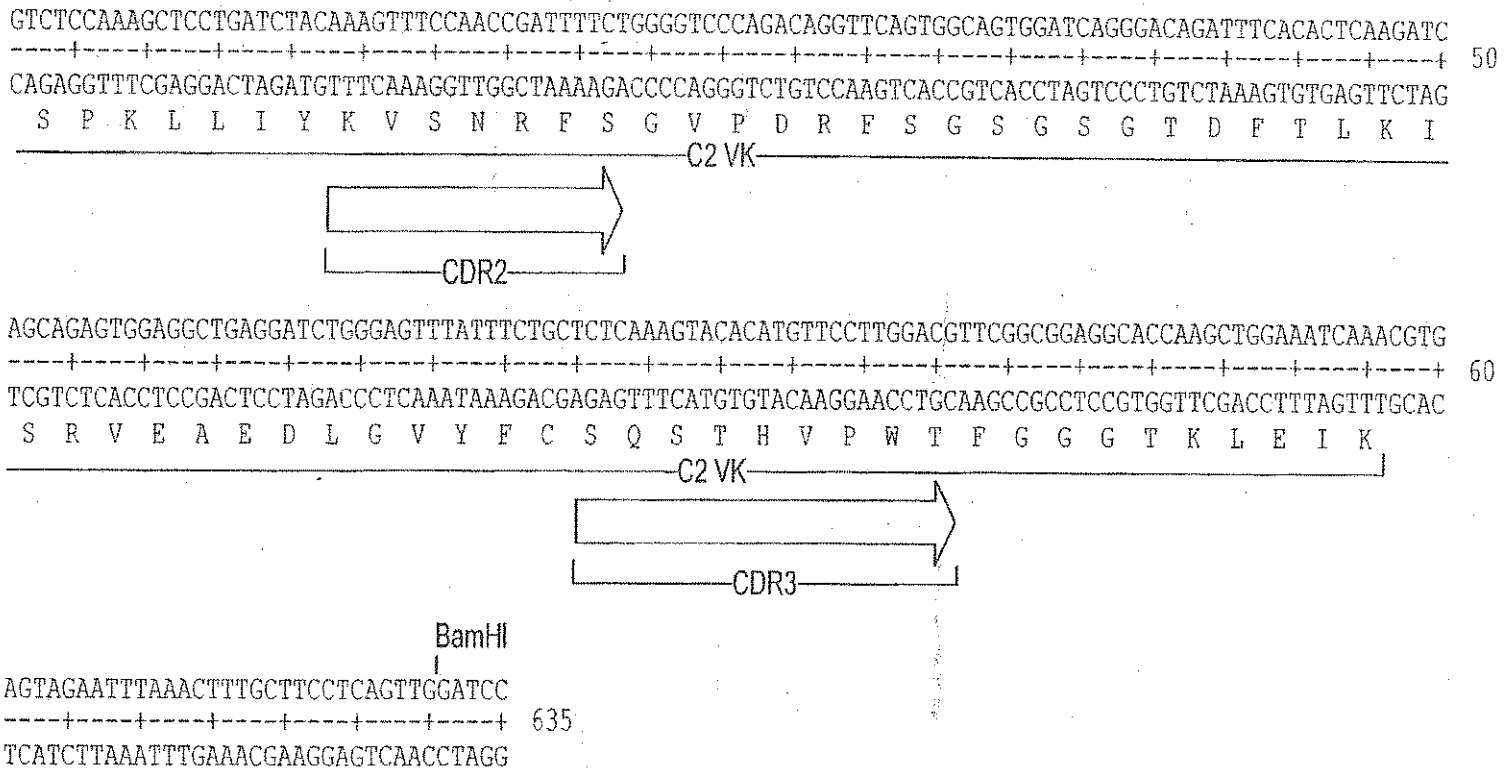

GTCTCCAAAGCTCCTGATCTACAAAGTTTCCAACCGATTTTCTGGGGTCCCAGACAGGTTCAGTGGCAGTGGATCAGGGACAGATTTCACACTCAAGATC
50
CAGAGGTTTCGAGGACTAGATGTTTCAAAGGTTGGCTAAAAGACCCCAGGGTCTGTCCAAGTCACCGTCACCTAGTCCCTGTCTAAAGTGTGAGTTCTAG
S P K L L I Y K V S N R F S G V P D R F S G S G S G T D F T L K I
C2 VK
CDR2
AGCAGAGTGGAGGCTGAGGATCTGGGAGTTTATTTCTGCTCTCAAAGTACACATGTTCCTTGGACGTTCGGCGGAGGCACCAAGCTGGAAATCAAACGTG
60
TCGTCTCACCTCCGACTCCTAGACCCTCAAATAAAGACGAGAGTTTCATGTGTACAAGGAACCTGCAAGCCGCCTCCGTGGTTCGACCTTTAGTTTGCAC
S R V E A E D L G V Y F C S Q S T H V P W T F G G G T K L E I K
C2 VK
CDR3
BamHI
AGTAGAATTTAAACTTTGCTTCCTCAGTTGGATCC
635
TCATCTTAAATTTGAAACGAAGGAGTCAACCTAGG

FIG. 3-2

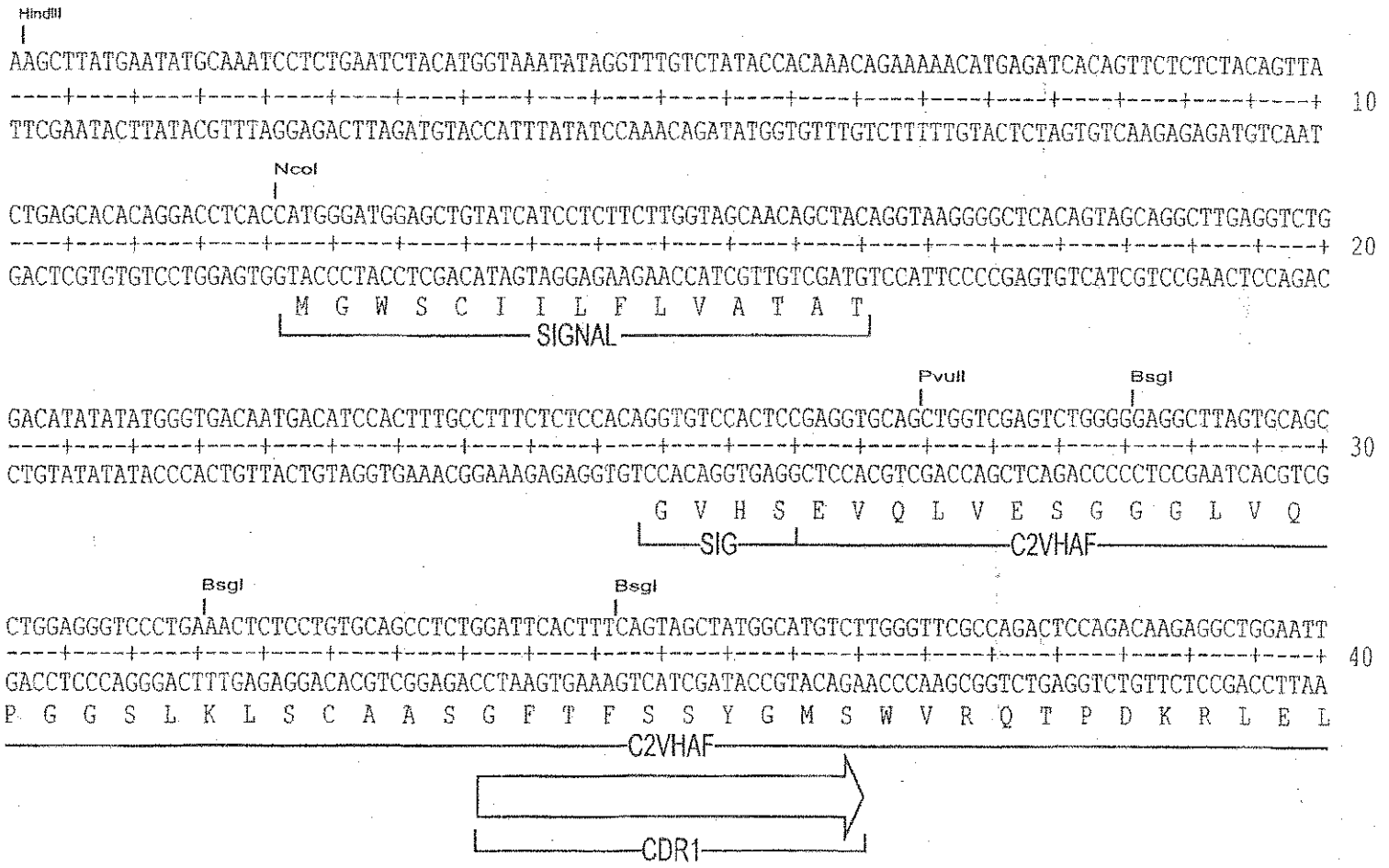

HindIII
AAGCTTATGAATATGCAAATCCTCTGAATCTACATGGTAAATATAGGTTTGTCTATACCACAAACAGAAAAACATGAGATCACAGTTCTCTCTACAGTTA
TTCGAATACTTATACGTTTAGGAGACTTAGATGTACCATTTATATCCAAACAGATATGGTGTTTGTCTTTTTGTACTCTAGTGTCAAGAGAGATGTCAAT
10
NcoI
CTGAGCACACAGGACCTCACCATGGGATGGAGCTGTATCATCCTCTTCTTGGTAGCAACAGCTACAGGTAAGGGGCTCACAGTAGCAGGCTTGAGGTCTG
GACTCGTGTGTCCTGGAGTGGTACCCTACCTCGACATAGTAGGAGAAGAACCATCGTTGTCGATGTCCATTCCCCGAGTGTCATCGTCCGAACTCCAGAC
20
M G W S C I I L F L V A T A T
SIGNAL
PvuII
BsgI
GACATATATATGGGTGACAATGACATCCACTTTGCCTTTCTCTCCACAGGTGTCCACTCCGAGGTGCAGCTGGTCGAGTCTGGGGGAGGCTTAGTGCAGC
CTGTATATATACCCACTGTTACTGTAGGTGAAACGGAAAGAGAGGTGTCCACAGGTGAGGCTCCACGTCGACCAGCTCAGACCCCCTCCGAATCACGTCG
30
G V H S E V Q L V E S G G G L V Q
SIG
C2VHAF
BsgI
BsgI
CTGGAGGGTCCCTGAAACTCTCCTGTGCAGCCTCTGGATTCACTTTCAGTAGCTATGGCATGTCTTGGGTTCGCCAGACTCCAGACAAGAGGCTGGAATT
GACCTCCCAGGGACTTTGAGAGGACACGTCGGAGACCTAAGTGAAAGTCATCGATACCGTACAGAACCCAAGCGGTCTGAGGTCTGTTCTCCGACCTTAA
40
P G G S L K L S C A A S G F T F S S Y G M S W V R Q T P D K R L E L
C2VHAF
CDR1

FIG. 4-1

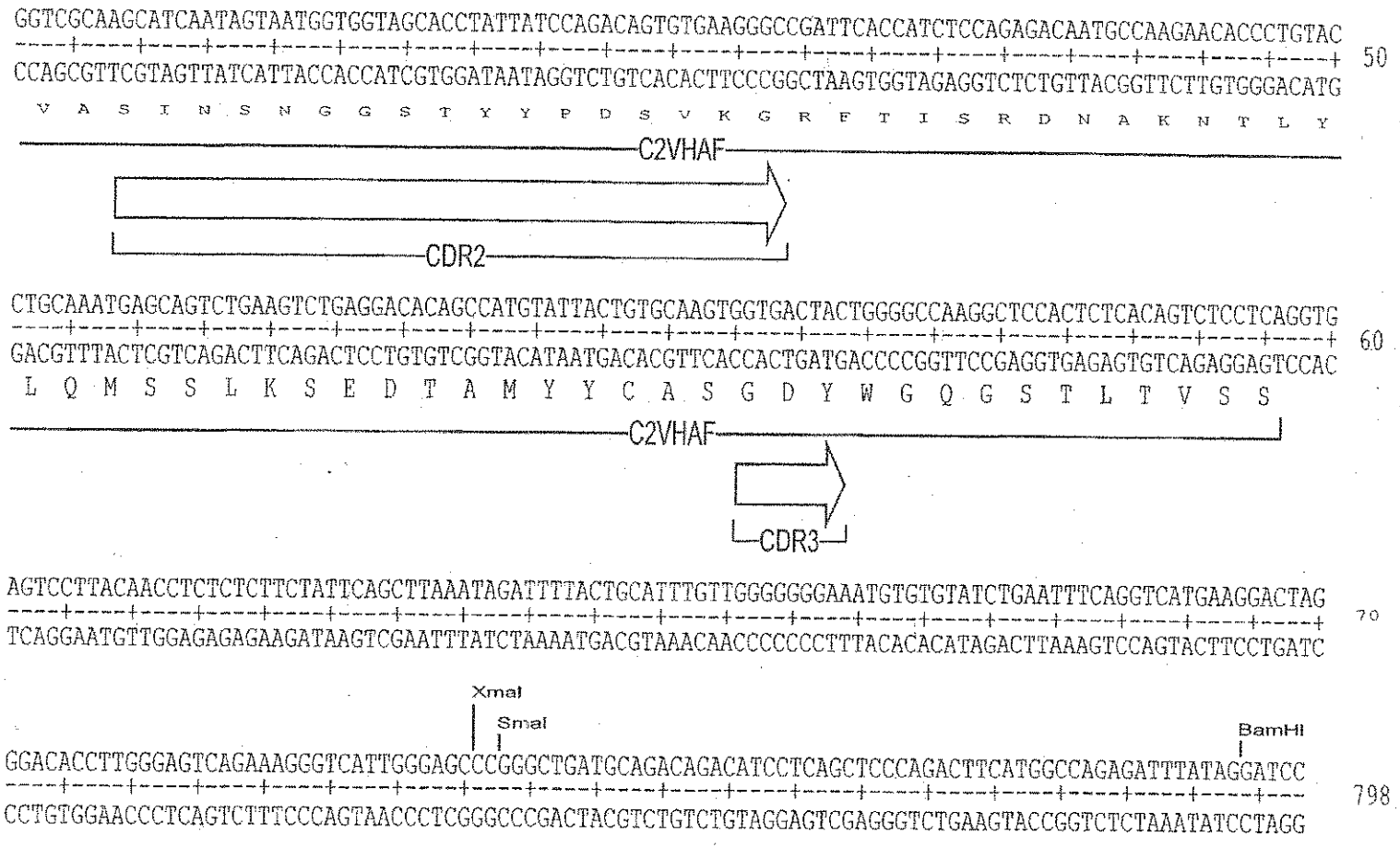

GGTCGCAAGCATCAATAGTAATGGTGGTAGCACCTATTATCCAGACAGTGTGAAGGGCCGATTCACCATCTCCAGAGACAATGCCAAGAACACCCTGTAC
CCAGCGTTCGTAGTTATCATTACCACCATCGTGGATAATAGGTCTGTCACACTTCCCGGCTAAGTGGTAGAGGTCTCTGTTACGGTTCTTGTGGGACATG
50
V A S I N S N G G S T Y Y P D S V K G R F T I S R D N A K N T L Y
C2VHAF
CDR2
CTGCAAATGAGCAGTCTGAAGTCTGAGGACACAGCCATGTATTACTGTGCAAGTGGTGACTACTGGGGCCAAGGCTCCACTCTCACAGTCTCCTCAGGTG
GACGTTTACTCGTCAGACTTCAGACTCCTGTGTCGGTACATAATGACACGTTCACCACTGATGACCCCGGTTCCGAGGTGAGAGTGTCAGAGGAGTCCAC
60
L Q M S S L K S E D T A M Y Y C A S G D Y W G Q G S T L T V S S
C2VHAF
CDR3
AGTCCTTACAACCTCTCTCTTCTATTCAGCTTAAATAGATTTTACTGCATTTGTTGGGGGGGGAAATGTGTGTATCTGAATTTCAGGTCATGAAGGACTAG
TCAGGAATGTTGGAGAGAGAAGATAAGTCGAATTTATCTAAAATGACGTAAACAACCCCCCCTTTACACACATAGACTTAAAGTCCAGTACTTCCTGATC
70
XmaI
SmaI
BamHI
GGACACCTTGGGAGTCAGAAAGGGTCATTGGGAGCCCGGGCTGATGCAGACAGACATCCTCAGCTCCCAGACTTCATGGCCAGAGATTTATAGGATCC
CCTGTGGAACCCTCAGTCTTTCCCAGTAACCCTCGGGCCCGACTACGTCTGTCTGTAGGAGTCGAGGGTCTGAAGTACCGGTCTCTAAATATCCTAGG
798

FIG. 4-2

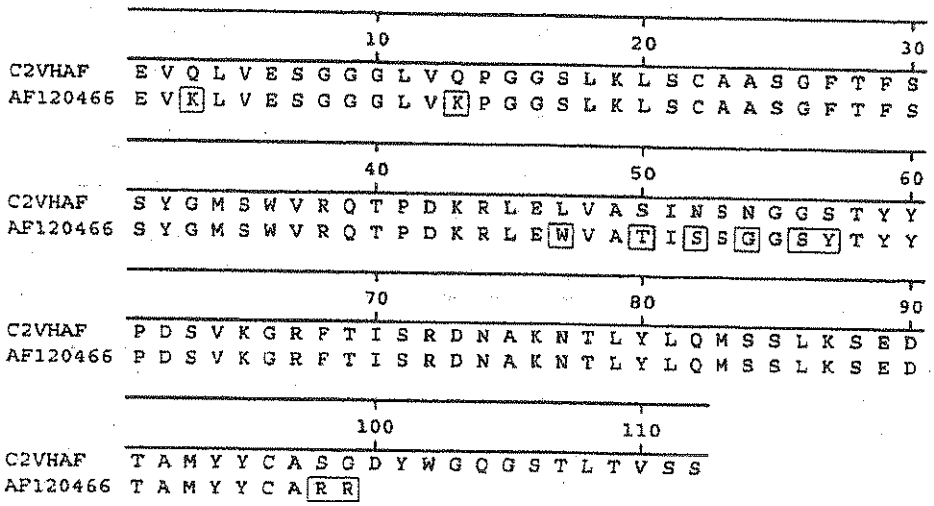
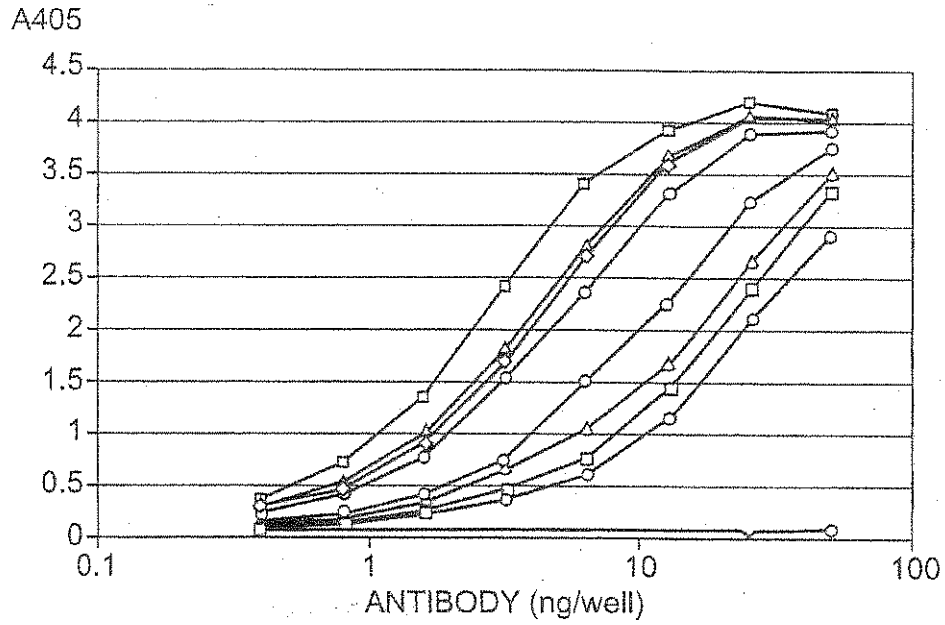


FIG 5
(Example 5.2)



NEGATIVE CONTROL
CHIMERIC ch VHAF/CHVK
CHIMERIC AT/HuIgG4
CHIMERIC B HuIgG4
HuVHv2/HuVKv1
HuVHv2/HuVKv2
HuVHv2/HuVKv3
HuVHv2/HuVKv4
HuVHv4/HuVKv1
HuVHv4/HuVKv2
HuVHv4/HuVKv3
HuVHv4/HuVKv4

FIG. 6

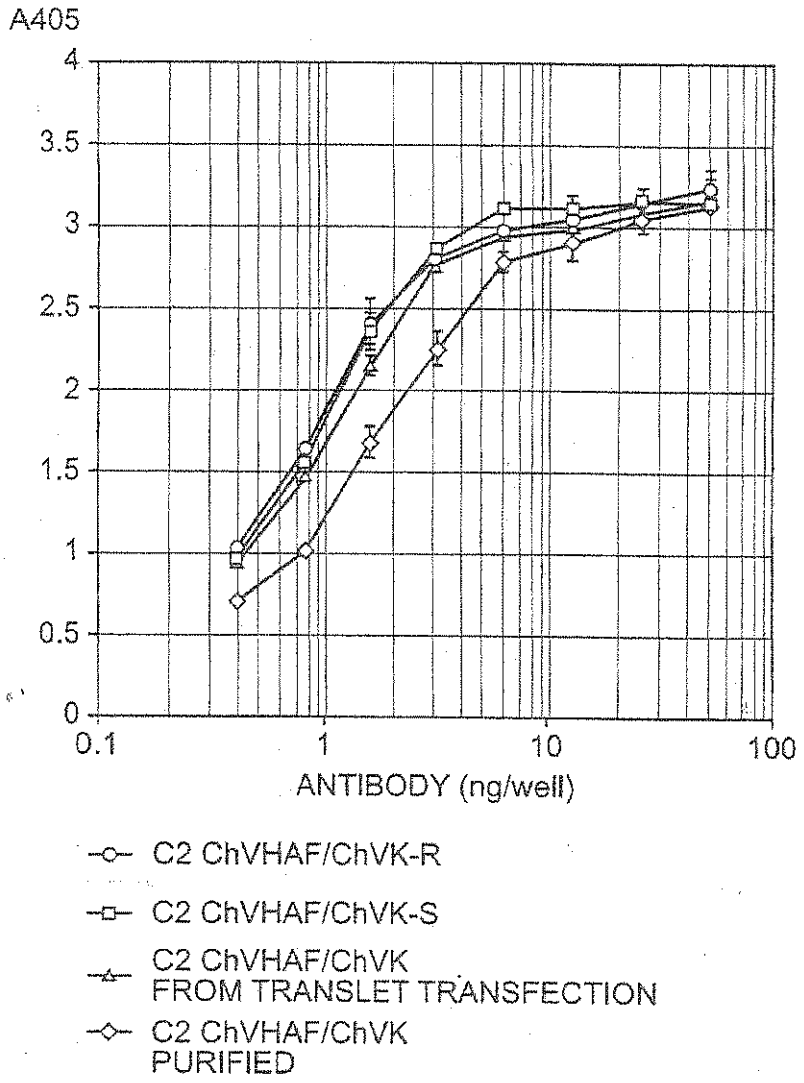

A405
4
3.5
3
2.5
2
1.5
1
0.5
0
0.1
1
10
100
ANTIBODY (ng/well)
C2 ChVHAF/ChVK-R
C2 ChVHAF/ChVK-S
C2 ChVHAF/ChVK
FROM TRANSLET TRANSFECTION
C2 ChVHAF/ChVK
PURIFIED

FIG. 7

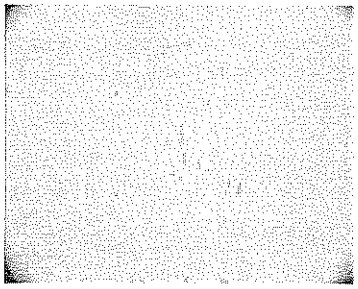
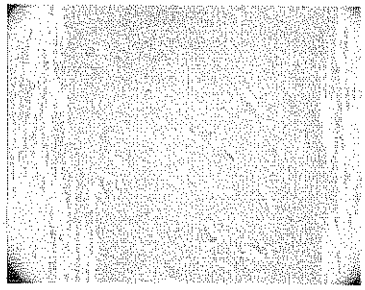
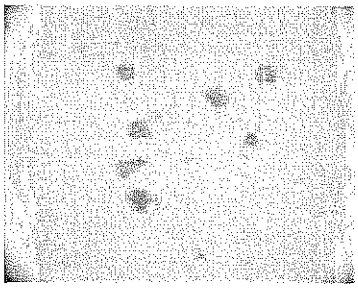
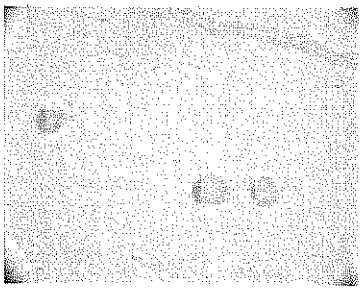
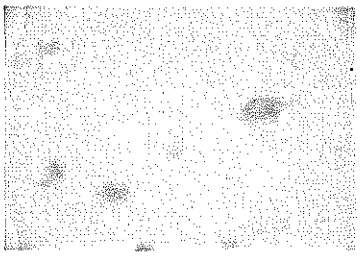
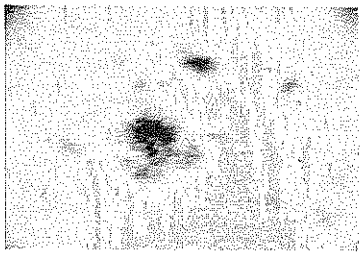
	C: Antibody hC2	A: Chimeric antibody
Control patient		
	Temporal neocortex region I, 40 x	CA4 (Cornu ammonis region 4), 40 x
AD patient		
	Temporal neocortex region I, 40 x	Temporal neocortex region I, 40 x
preAD patient		
	Temporal neocortex region I, 40 x	Temporal neocortex region I, 40 x

FIG. 8
(Example 11)

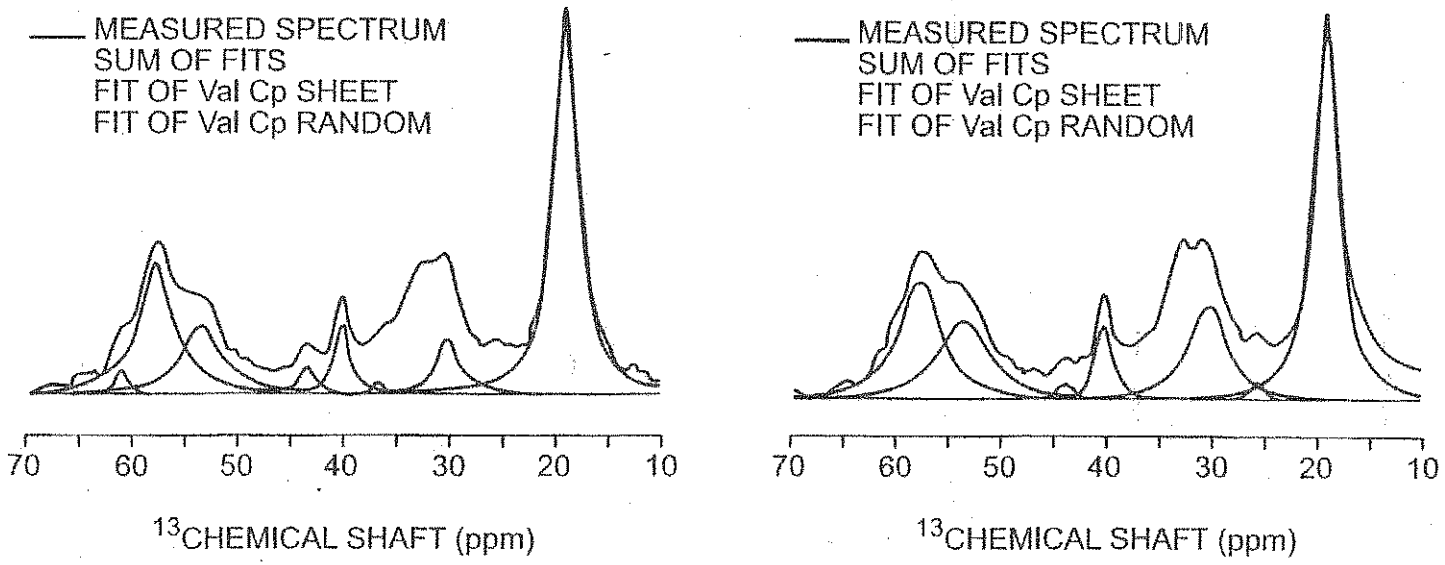


FIG. 9A

RESONANCE	PBS			MOUSE C2		
	δ ISO (ppm)	FWHH (Hz)	% INTEGRAL INTENSITY	δ ISO (ppm)	FWHH (Hz)	% INTEGRAL INTENSITY
Val Cβ -SHEET	32.60	479	81.7	33.09	366	53.5
Val Cβ -RANDOM	30.27	200	18.3	30.27	340	46.5

FIG. 9B

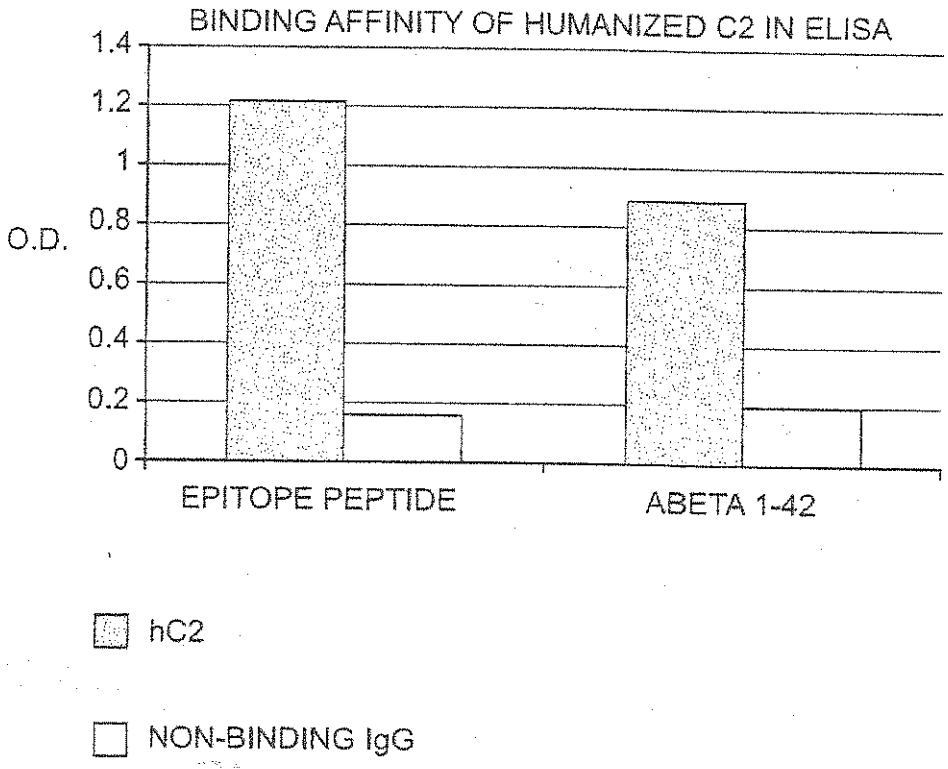

BINDING AFFINITY OF HUMANIZED C2 IN ELISA
O.D.
1.4
1.2
1
0.8
0.6
0.4
0.2
0
EPITOPE PEPTIDE
ABETA 1-42
hC2
NON-BINDING IgG

FIG. 10

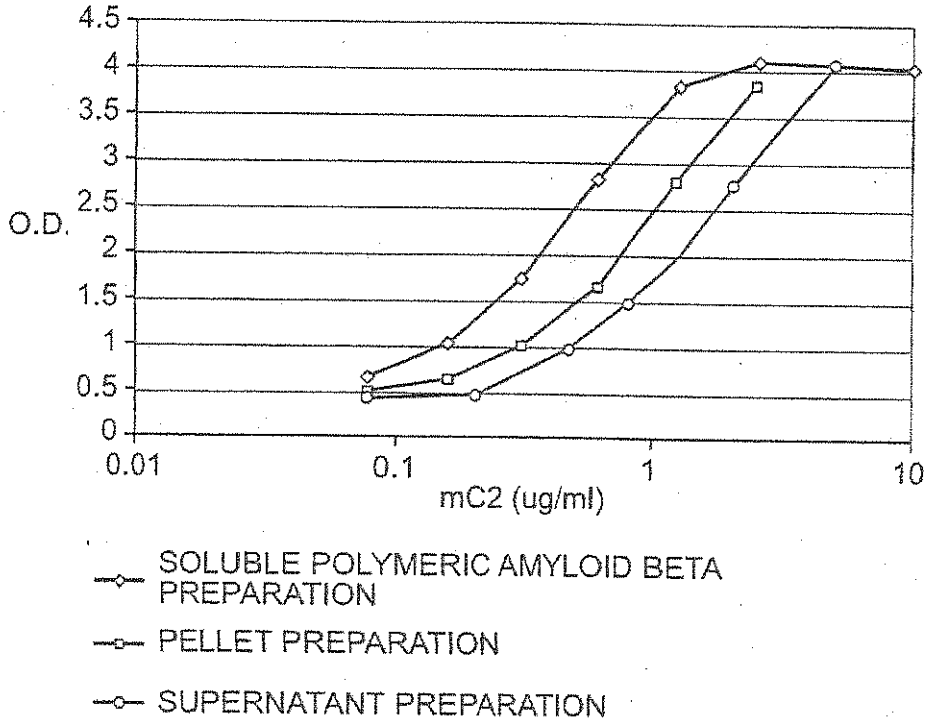

4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
O.D.
0.01
0.1
1
10
mC2 (ug/ml)
SOLUBLE POLYMERIC AMYLOID BETA PREPARATION
PELLET PREPARATION
SUPERNATANT PREPARATION

FIG. 11

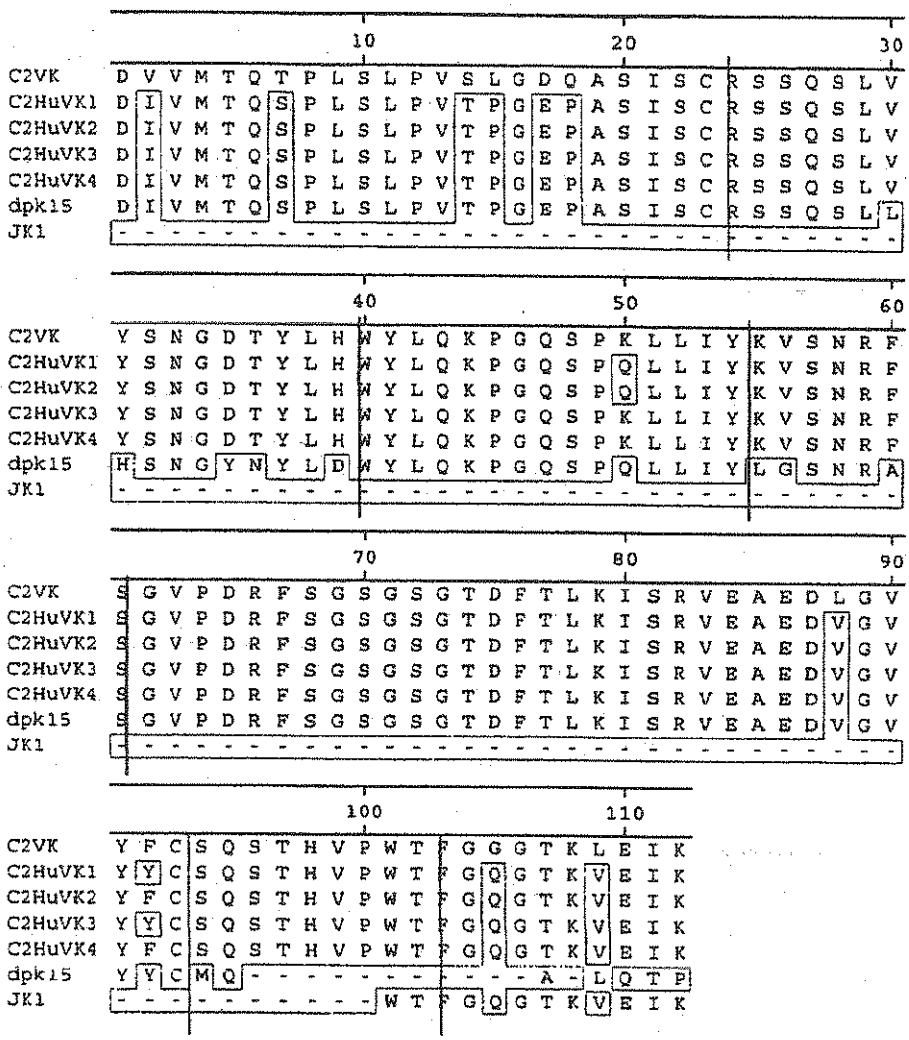

10
20
30
C2VK D V V M T Q T P L S L P V S L G D Q A S I S C R S S Q S L V
C2HuVK1 D I V M T Q S P L S L P V T P G E P A S I S C R S S Q S L V
C2HuVK2 D I V M T Q S P L S L P V T P G E P A S I S C R S S Q S L V
C2HuVK3 D I V M T Q S P L S L P V T P G E P A S I S C R S S Q S L V
C2HuVK4 D I V M T Q S P L S L P V T P G E P A S I S C R S S Q S L V
dpk15 D I V M T Q S P L S L P V T P G E P A S I S C R S S Q S L L
JK1
40
50
60
C2VK Y S N G D T Y L H W Y L Q K P G Q S P K L L I Y K V S N R F
C2HuVK1 Y S N G D T Y L H W Y L Q K P G Q S P Q L L I Y K V S N R F
C2HuVK2 Y S N G D T Y L H W Y L Q K P G Q S P Q L L I Y K V S N R F
C2HuVK3 Y S N G D T Y L H W Y L Q K P G Q S P K L L I Y K V S N R F
C2HuVK4 Y S N G D T Y L H W Y L Q K P G Q S P K L L I Y K V S N R F
dpk15 H S N G Y N Y L D W Y L Q K P G Q S P Q L L I Y L G S N R A
JK1
70
80
90
C2VK S G V P D R F S G S G S G T D F T L K I S R V E A E D L G V
C2HuVK1 S G V P D R F S G S G S G T D F T L K I S R V E A E D V G V
C2HuVK2 S G V P D R F S G S G S G T D F T L K I S R V E A E D V G V
C2HuVK3 S G V P D R F S G S G S G T D F T L K I S R V E A E D V G V
C2HuVK4 S G V P D R F S G S G S G T D F T L K I S R V E A E D V G V
dpk15 S G V P D R F S G S G S G T D F T L K I S R V E A E D V G V
JK1
100
110
C2VK Y F C S Q S T H V P W T F G G G T K L E I K
C2HuVK1 Y Y C S Q S T H V P W T F G Q G T K V E I K
C2HuVK2 Y F C S Q S T H V P W T F G Q G T K V E I K
C2HuVK3 Y Y C S Q S T H V P W T F G Q G T K V E I K
C2HuVK4 Y F C S Q S T H V P W T F G Q G T K V E I K
dpk15 Y Y C M Q - - - - - - - - - - A - L Q T P
JK1 W T F G Q G T K V E I K

FIG 12.

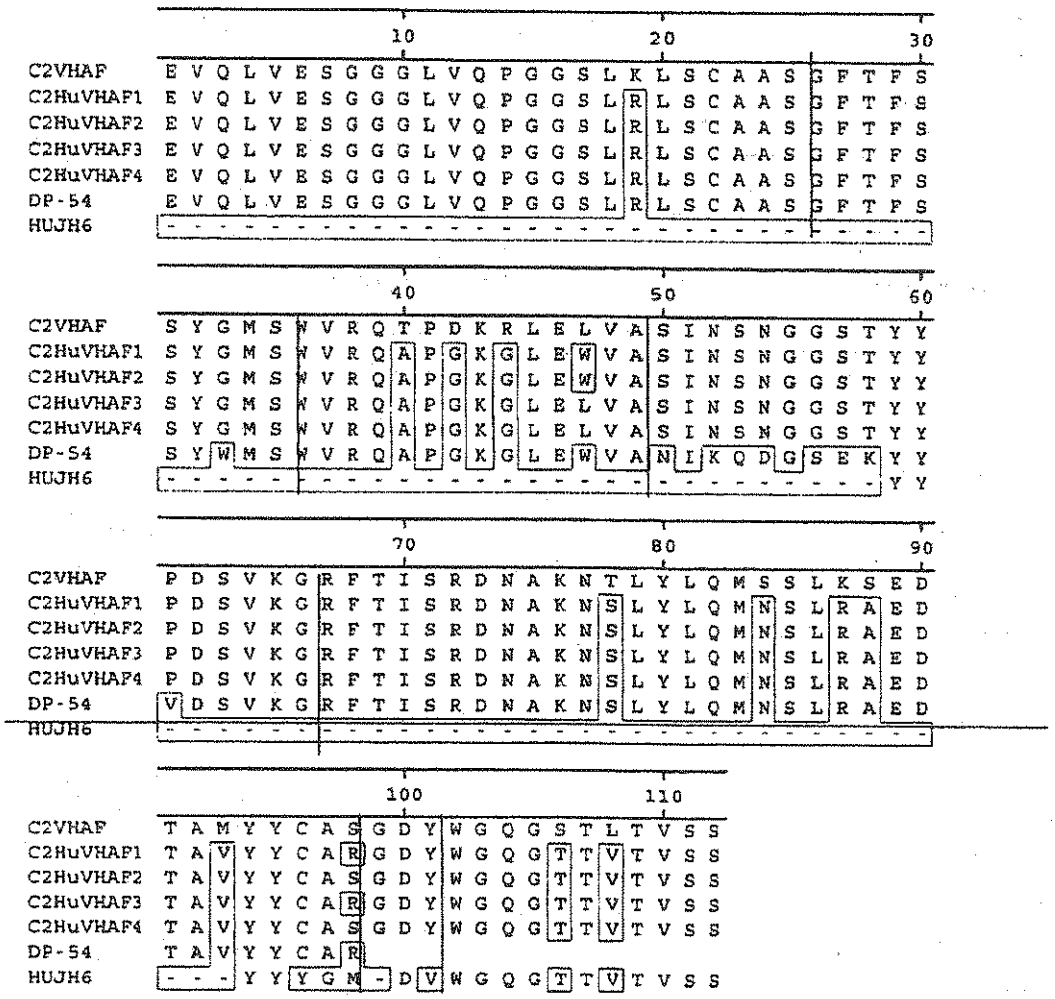

10 20 30
C2VHAF E V Q L V E S G G G L V Q P G G S L K L S C A A S G F T F S
C2HuVHAF1 E V Q L V E S G G G L V Q P G G S L R L S C A A S G F T F S
C2HuVHAF2 E V Q L V E S G G G L V Q P G G S L R L S C A A S G F T F S
C2HuVHAF3 E V Q L V E S G G G L V Q P G G S L R L S C A A S G F T F S
C2HuVHAF4 E V Q L V E S G G G L V Q P G G S L R L S C A A S G F T F S
DP-54 E V Q L V E S G G G L V Q P G G S L R L S C A A S G F T F S
HUJH6 -
40 50 60
C2VHAF S Y G M S W V R Q T P D K R L E L V A S I N S N G G S T Y Y
C2HuVHAF1 S Y G M S W V R Q A P G K G L E W V A S I N S N G G S T Y Y
C2HuVHAF2 S Y G M S W V R Q A P G K G L E W V A S I N S N G G S T Y Y
C2HuVHAF3 S Y G M S W V R Q A P G K G L E L V A S I N S N G G S T Y Y
C2HuVHAF4 S Y G M S W V R Q A P G K G L E L V A S I N S N G G S T Y Y
DP-54 S Y W M S W V R Q A P G K G L E W V A N I K Q D G S E K Y Y
HUJH6 - Y Y
70 80 90
C2VHAF P D S V K G R F T I S R D N A K N T L Y L Q M S S L K S E D
C2HuVHAF1 P D S V K G R F T I S R D N A K N S L Y L Q M N S L R A E D
C2HuVHAF2 P D S V K G R F T I S R D N A K N S L Y L Q M N S L R A E D
C2HuVHAF3 P D S V K G R F T I S R D N A K N S L Y L Q M N S L R A E D
C2HuVHAF4 P D S V K G R F T I S R D N A K N S L Y L Q M N S L R A E D
DP-54 V D S V K G R F T I S R D N A K N S L Y L Q M N S L R A E D
HUJH6 -
100 110
C2VHAF T A M Y Y C A S G D Y W G Q G S T L T V S S
C2HuVHAF1 T A V Y Y C A R G D Y W G Q G T T V T V S S
C2HuVHAF2 T A V Y Y C A S G D Y W G Q G T T V T V S S
C2HuVHAF3 T A V Y Y C A R G D Y W G Q G T T V T V S S
C2HuVHAF4 T A V Y Y C A S G D Y W G Q G T T V T V S S
DP-54 T A V Y Y C A R
HUJH6 - - - Y Y Y G M - D V W G Q G T T V T V S S

FIG 13.

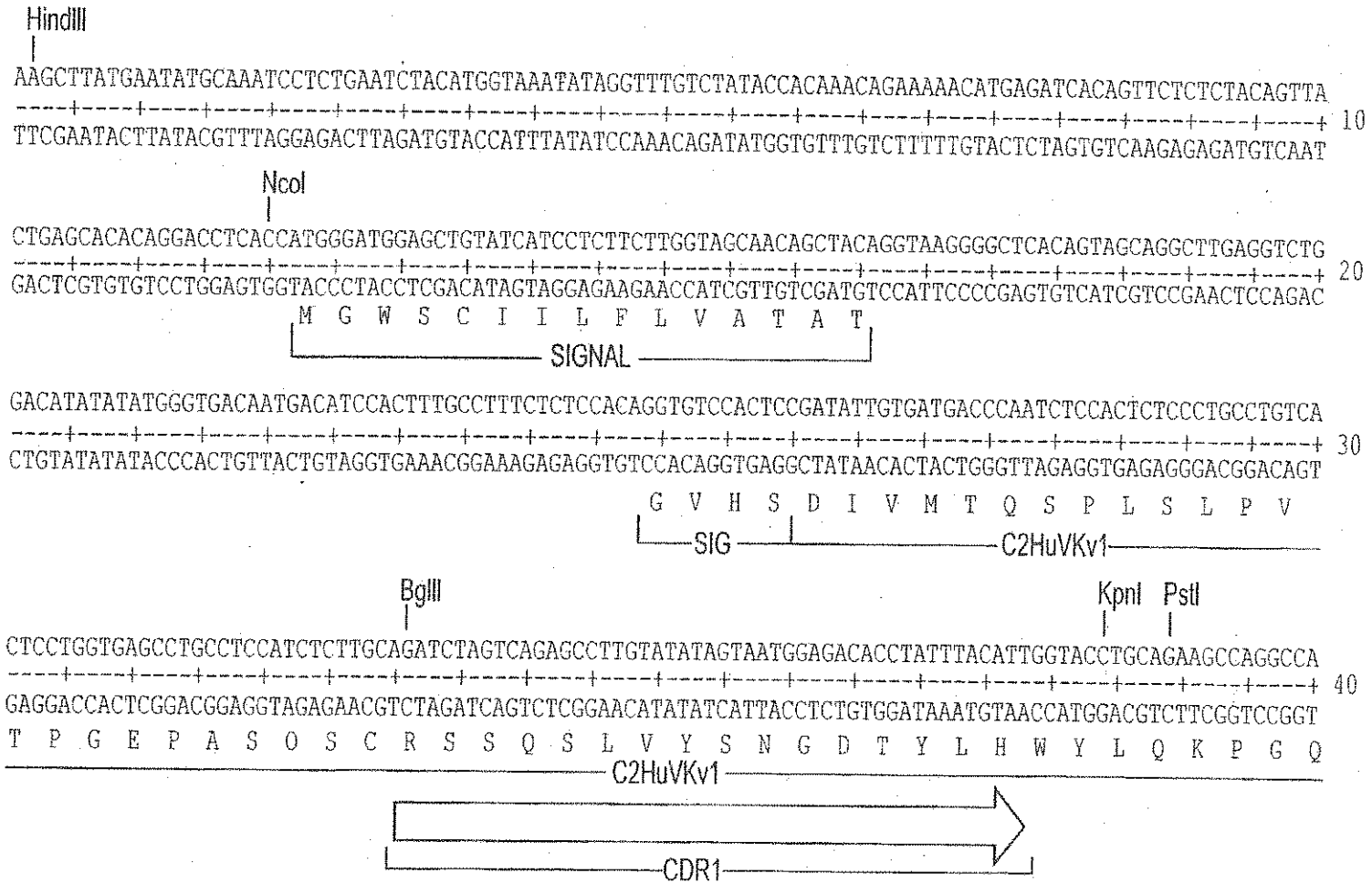

HindIII
AAGCTTATGAATATGCAAATCCTCTGAATCTACATGGTAAATATAGGTTTGTCTATACCACAAACAGAAAAACATGAGATCACAGTTCTCTCTACAGTTA
TTCGAATACTTATACGTTTAGGAGACTTAGATGTACCATTTATATCCAAACAGATATGGTGTTTGTCTTTTTGTACTCTAGTGTCAAGAGAGATGTCAAT
10
NcoI
CTGAGCACACAGGACCTCACCATGGGATGGAGCTGTATCATCCTCTTCTTGGTAGCAACAGCTACAGGTAAGGGGCTCACAGTAGCAGGCTTGAGGTCTG
GACTCGTGTGTCCTGGAGTGGTACCCTACCTCGACATAGTAGGAGAAGAACCATCGTTGTCGATGTCCATTCCCCGAGTGTCATCGTCCGAACTCCAGAC
20
M G W S C I I L F L V A T A T
SIGNAL
GACATATATATGGGTGACAATGACATCCACTTTGCCTTTCTCTCCACAGGTGTCCACTCCGATATTGTGATGACCCAATCTCCACTCTCCCTGCCTGTCA
CTGTATATATACCCACTGTTACTGTAGGTGAAACGGAAAGAGAGGTGTCCACAGGTGAGGCTATAACACTACTGGGTTAGAGGTGAGAGGGACGGACAGT
30
G V H S D I V M T Q S P L S L P V
SIG
C2HuVKv1
BglII
KpnI
PstI
CTCCTGGTGAGCCTGCCTCCATCTCTTGCAGATCTAGTCAGAGCCTTGTATATAGTAATGGAGACACCTATTTACATTGGTACCTGCAGAAGCCAGGCCA
GAGGACCACTCGGACGGAGGTAGAGAACGTCTAGATCAGTCTCGGAACATATATCATTACCTCTGTGGATAAATGTAACCATGGACGTCTTCGGTCCGGT
40
T P G E P A S O S C R S S Q S L V Y S N G D T Y L H W Y L Q K P G Q
C2HuVKv1
CDR1

FIG. 14-1

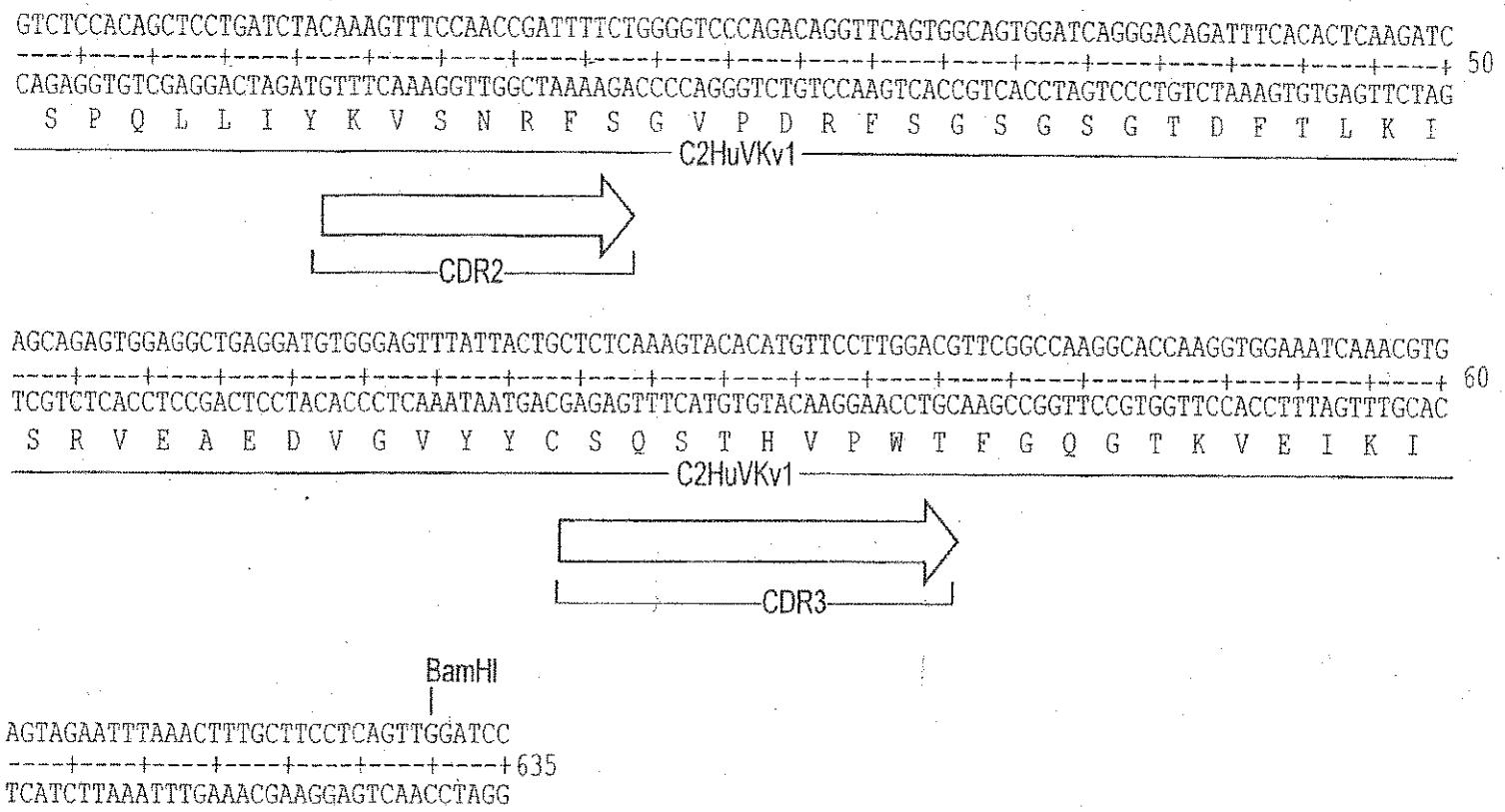

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CAGAGGTGTCGAGGACTAGATGTTTCAAAGGTTGGCTAAAAGACCCCAGGGTCTGTCCAAGTCACCGTCACCTAGTCCCTGTCTAAAGTGTGAGTTCTAG
50
S P Q L L I Y K V S N R F S G V P D R F S G S G S G T D F T L K I
C2HuVKv1
CDR2
AGCAGAGTGGAGGCTGAGGATGTGGGAGTTTATTACTGCTCTCAAAGTACACATGTTCCTTGGACGTTCGGCCAAGGCACCAAGGTGGAAATCAAACGTG
TCGTCTCACCTCCGACTCCTACACCCTCAAATAATGACGAGAGTTTCATGTGTACAAGGAACCTGCAAGCCGGTTCCGTGGTTCCACCTTTAGTTTGCAC
60
S R V E A E D V G V Y Y C S Q S T H V P W T F G Q G T K V E I K I
C2HuVKv1
CDR3
BamHI
AGTAGAATTTAAACTTTGCTTCCTCAGTTGGATCC
TCATCTTAAATTTGAAACGAAGGAGTCAACCTAGG
635

FIG. 14-2


BamHI
BglII
GGATCCTGGCAGAGTCTCACAGATGCTTCTGAGACAACATTTGCTTTCAAAAAATGAACCACACACATCCTAAAGATCTCAGCCACTTCCCATGTTTCAT
CCTAGGACCGTCTCAGAGTGTCTACGAAGACTCTGTTGTAAACGAAAGTTTTTTACTTGGTGTGTGTAGGATTTCTAGAGTCGGTGAAGGGTACAAAGTA
100
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200
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300
CTCAGTCATCTTTTTCATTCCTGTTTCTATCCCCTACATCTCTTTCCTTTGCAGACGACTATCTCCTACACTGAAACAGGAAAGCTAGCTTTTTTTTTTC
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400
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500
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600
CGTGACCATGTTTTTAACTTTCAAAAATGTAGCTGCCAGTGTGTGATTTTATTTCAGTTGTACAAAATATCTAAACCTATAGCAATGTGATTAATAAAAA
GCACTGGTACAAAAATTGAAAGTTTTTACATCGACGGTCACACACTAAAATAAAGTCAACATGTTTTATAGATTTGGATATCGTTACACTAATTATTTTT
700

FIG. 15-1


CTTAAACATATTTTCCAGTACCTTAATTCTGTGATAGGAAAATTTTAATCTGAGTATTTTAATTTCATAATCTCTAAAATAGTTTAATGATTTGTCATTG
GAATTTGTATAAAAGGTCATGGAATTAAGACACTATCCTTTTAAAATTAGACTCATAAAATTAAAGTATTAGAGATTTTATCAAATTACTAAACAGTAAC
PvuII
TGTTGCTGTCGTTTACCCCAGCTGATCTCAAAAGTGATATTTAAGGAGATTATTTTGGTCTGCAACAACTTGATAGGACTATTTTAGGGCCTTTTTAAAG
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CTCTATTAAAACTAACTTACAACGATTCAAAACTGTTTTAAACTATTTCAAAATGATTTTAGAGCCTTTTGAAAACTCTTTTAAACACTTTTTAAACTCT
GAGATAATTTTGATTGAATGTTGCTAAGTTTTGACAAAATTTGATAAAGTTTTACTAAAATCTCGGAAAACTTTTGAGAAAATTTGTGAAAAATTTGAGA
EcoRI
ATTAAAACTAATAAGATAACTTGAAATAATTTTCATGTCAAATACATTAACTGTTTAATGTTTAAATGCCAGATGAAAAATGTAAAGCTATCAAGAATTC
TAATTTTGATTATTCTATTGAACTTTATTAAAAGTACAGTTTATGTAATTGACAAATTACAAATTTACGGTCTACTTTTTACATTTCGATAGTTCTTAAG
NcoI
ACCCAGATAGGAGTATCTTCATAGCATGTTTTTCCCTGCTTATTTTCCAGTGATCACATTATTTTGCTACCATGGTTATTTTATACAATTATCTGAAAAA
TGGGTCTATCCTCATAGAAGTATCGTACAAAAAGGGACGAATAAAAGGTCACTAGTGTAATAAAACGATGGTACCAATAAAATATGTTAATAGACTTTTT
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PvuII
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FIG. 15-2

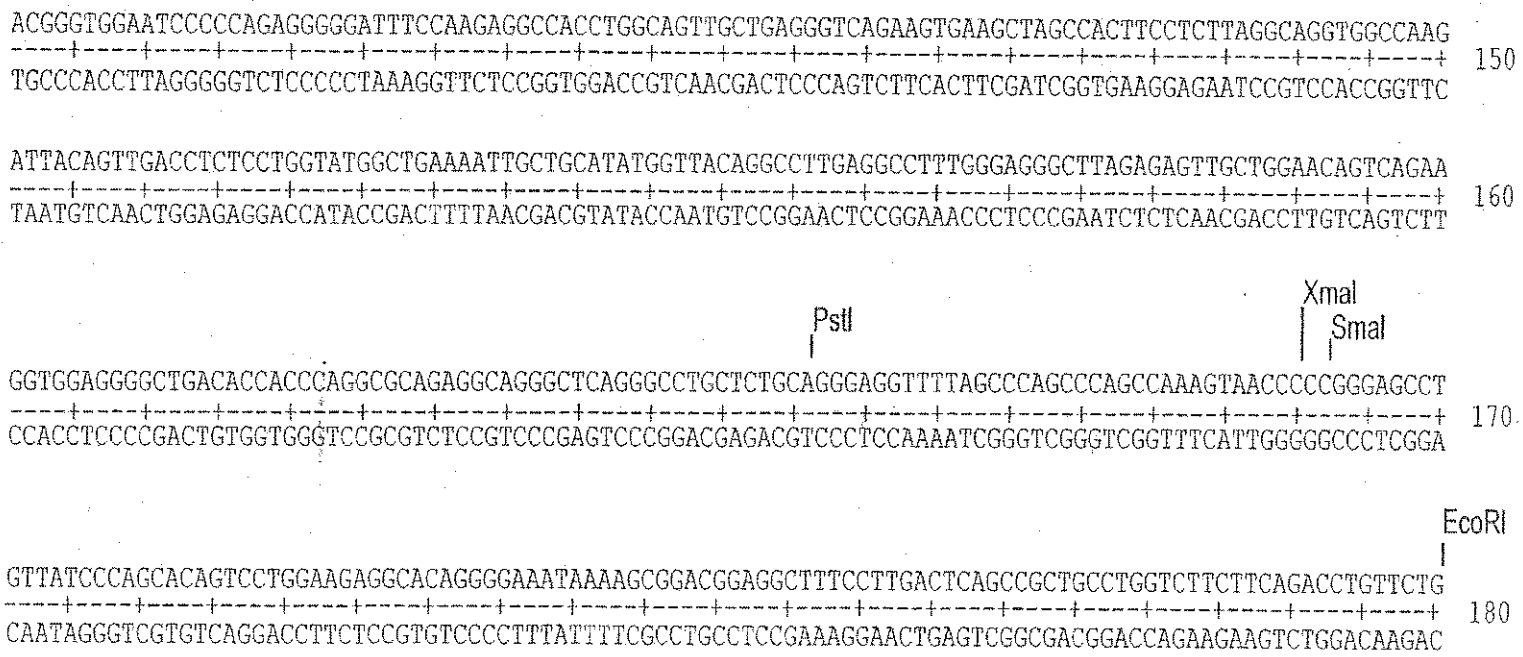

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160
TAATGTCAACTGGAGAGGACCATACCGACTTTTAACGACGTATACCAATGTCCGGAACTCCGGAAACCCTCCCGAATCTCTCAACGACCTTGTCAGTCTT
PstI
XmaI
SmaI
GGTGGAGGGGCTGACACCACCCAGGCGCAGAGGCAGGGCTCAGGGCCTGCTCTGCAGGGAGGTTTTAGCCCAGCCCAGCCAAAGTAACCCCCGGGAGCCT
170
CCACCTCCCCGACTGTGGTGGGTCCGCGTCTCCGTCCCGAGTCCCGGACGAGACGTCCCTCCAAAATCGGGTCGGGTCGGTTTCATTGGGGGCCCTCGGA
EcoRI
GTTATCCCAGCACAGTCCTGGAAGAGGCACAGGGGAAATAAAAGCGGACGGAGGCTTTCCTTGACTCAGCCGCTGCCTGGTCTTCTTCAGACCTGTTCTG
180
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FIG. 15-3

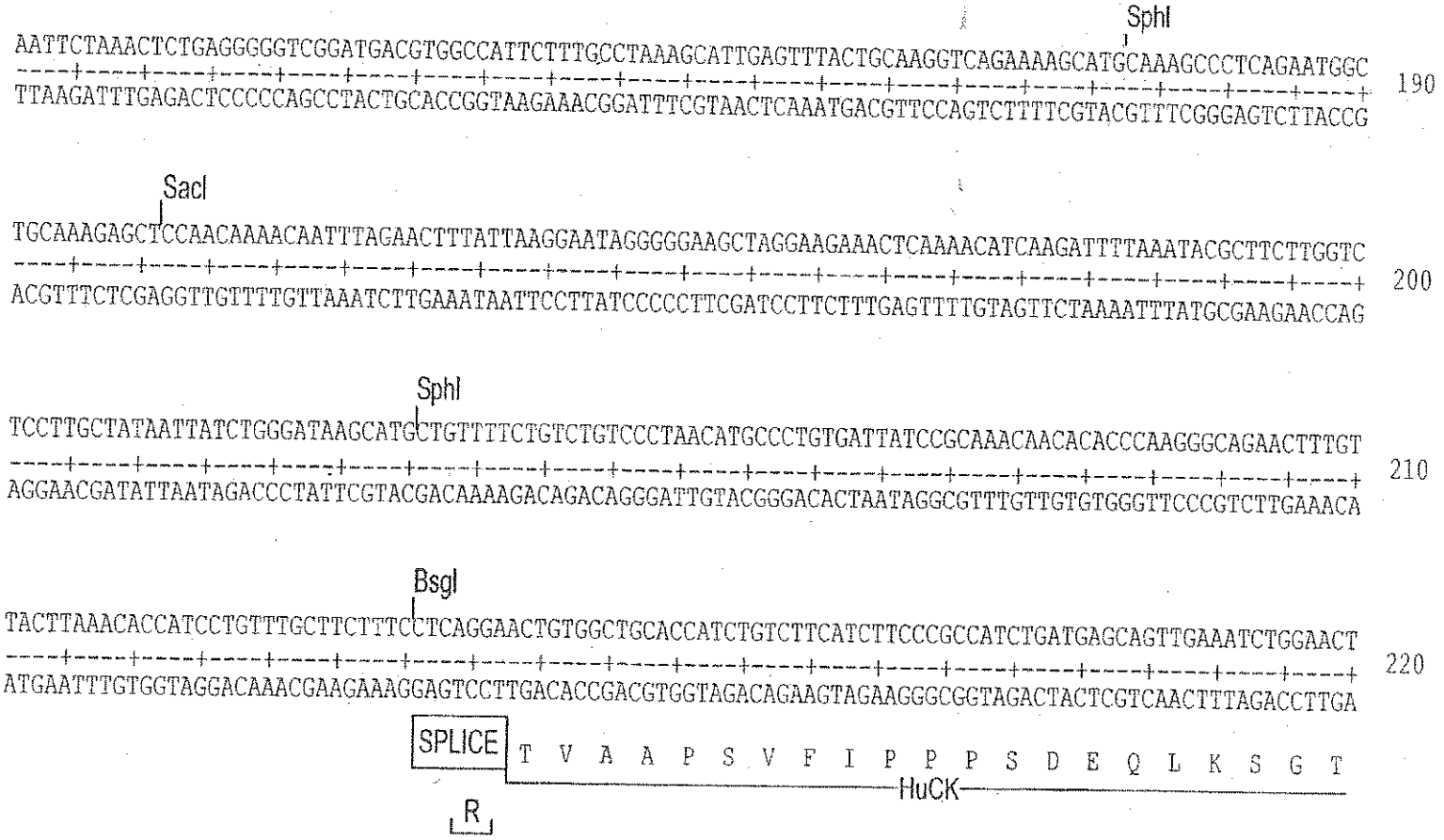

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190
SacI
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200
SphI
TCCTTGCTATAATTATCTGGGATAAGCATGCTGTTTTCTGTCTGTCCCTAACATGCCCTGTGATTATCCGCAAACAACACACCCAAGGGCAGAACTTTGT
AGGAACGATATTAATAGACCCTATTCGTACGACAAAAGACAGACAGGGATTGTACGGGACACTAATAGGCGTTTGTTGTGTGGGTTCCCGTCTTGAAACA
210
BsgI
TACTTAAACACCATCCTGTTTGCTTCTTTCCTCAGGAACTGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAACT
ATGAATTTGTGGTAGGACAAACGAAGAAAGGAGTCCTTGACACCGACGTGGTAGACAGAAGTAGAAGGGCGGTAGACTACTCGTCAACTTTAGACCTTGA
220
SPLICE
T V A A P S V F I P P P S D E Q L K S G T
HuCK
R

FIG. 15-4

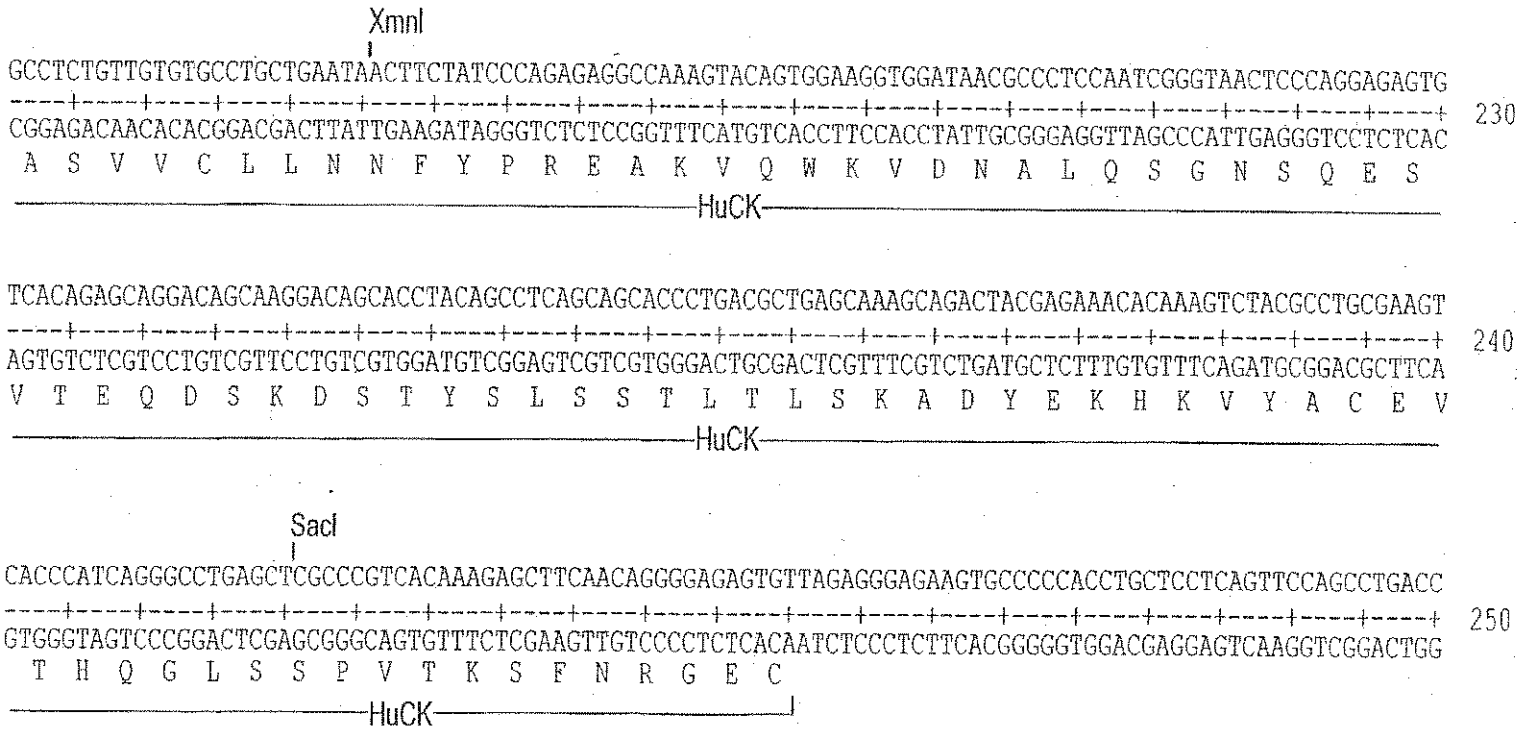

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230
A S V V C L L N N F Y P R E A K V Q W K V D N A L Q S G N S Q E S
HuCK
TCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAGCAAAGCAGACTACGAGAAACACAAAGTCTACGCCTGCGAAGT
AGTGTCTCGTCCTGTCGTTCCTGTCGTGGATGTCGGAGTCGTCGTGGGACTGCGACTCGTTTCGTCTGATGCTCTTTGTGTTTCAGATGCGGACGCTTCA
240
V T E Q D S K D S T Y S L S S T L T L S K A D Y E K H K V Y A C E V
HuCK
SacI
CACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAACAGGGGAGAGTGTTAGAGGGAGAAGTGCCCCCACCTGCTCCTCAGTTCCAGCCTGACC
GTGGGTAGTCCCGGACTCGAGCGGGCAGTGTTTCTCGAAGTTGTCCCCTCTCACAATCTCCCTCTTCACGGGGGTGGACGAGGAGTCAAGGTCGGACTGG
250
T H Q G L S S P V T K S F N R G E C
HuCK

FIG. 15-5


CCCTCCCATCCTTTGGCCTCTGACCCTTTTTCCACAGGGGACCTACCCCTATTGCGGTCCTCCAGCTCATCTTTCACCTCACCCCCCTCCTCCTCCTTGG
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260
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270
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280
NcoI
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290
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300
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310
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320
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330

FIG. 15-6

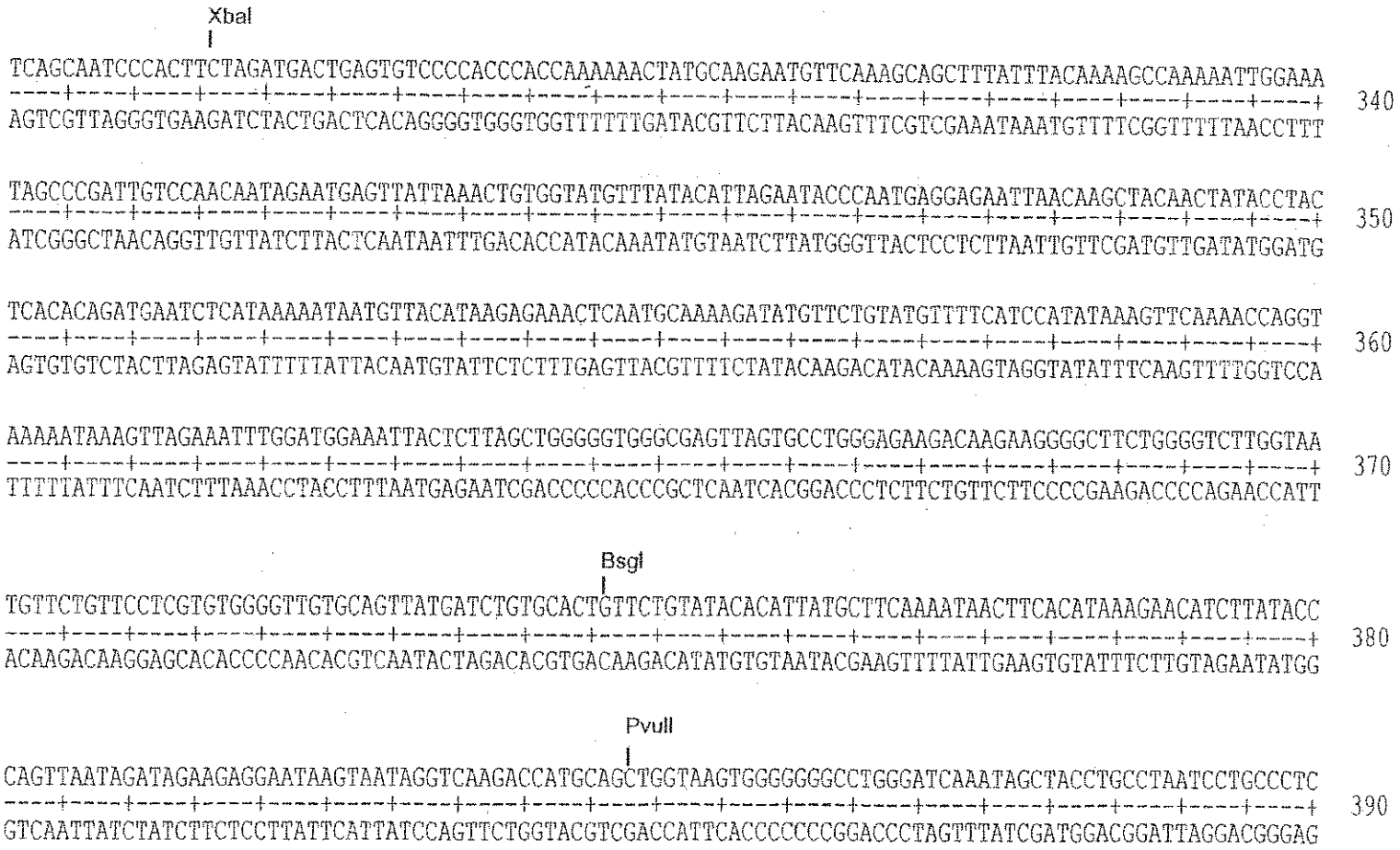

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340
TAGCCCGATTGTCCAACAATAGAATGAGTTATTAAACTGTGGTATGTTTATACATTAGAATACCCAATGAGGAGAATTAACAAGCTACAACTATACCTAC
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350
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360
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370
BsgI
TGTTCTGTTCCTCGTGTGGGGTTGTGCAGTTATGATCTGTGCACTGTTCTGTATACACATTATGCTTCAAAATAACTTCACATAAAGAACATCTTATACC
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380
PvuII
CAGTTAATAGATAGAAGAGGAATAAGTAATAGGTCAAGACCATGCAGCTGGTAAGTGGGGGGGCCTGGGATCAAATAGCTACCTGCCTAATCCTGCCCTC
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390

FIG. 15-7

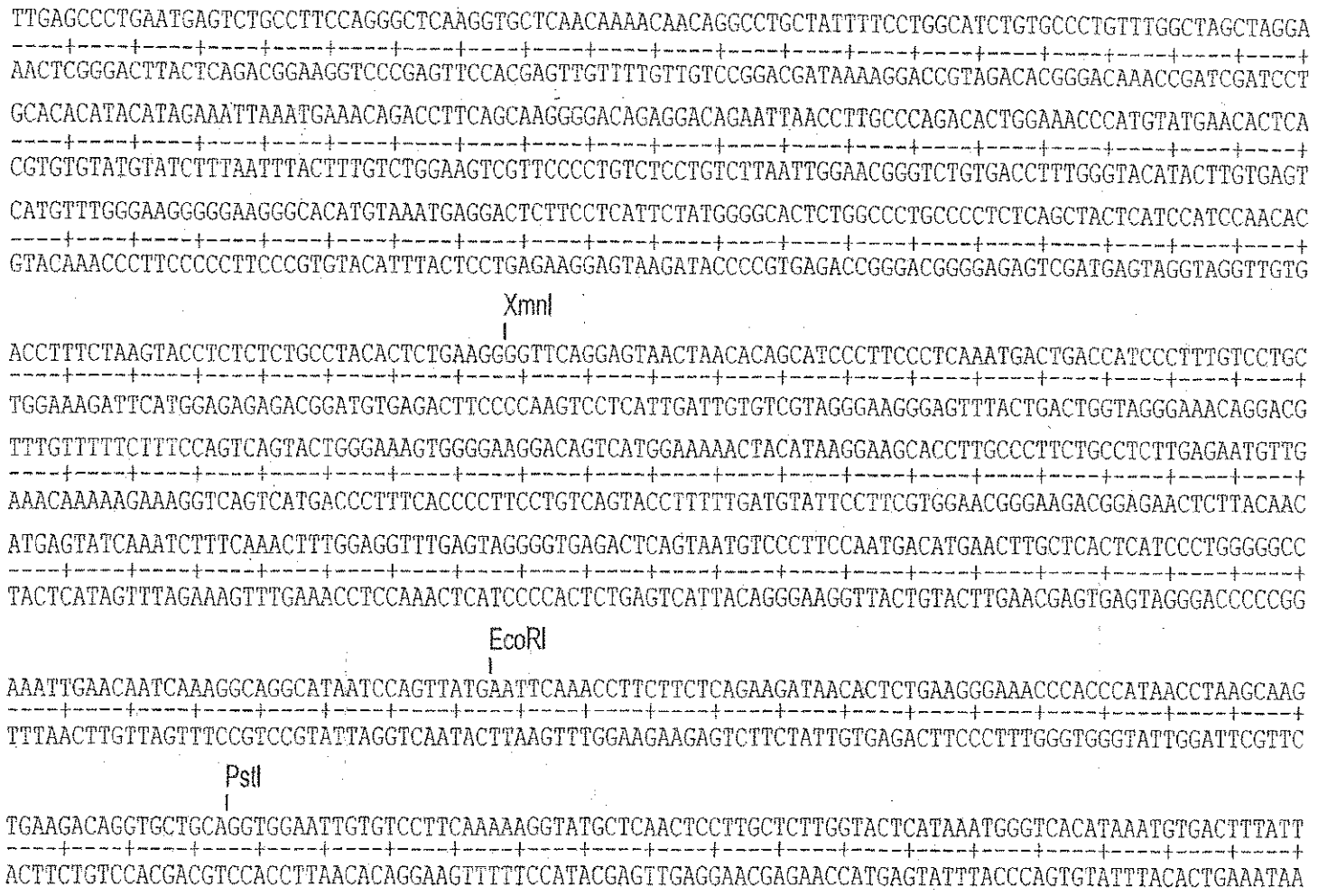

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CGTGTGTATGTATCTTTAATTTACTTTGTCTGGAAGTCGTTCCCCTGTCTCCTGTCTTAATTGGAACGGGTCTGTGACCTTTGGGTACATACTTGTGAGT 410
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XmnI
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TGGAAAGATTCATGGAGAGAGACGGATGTGAGACTTCCCCAAGTCCTCATTGATTGTGTCGTAGGGAAGGGAGTTTACTGACTGGTAGGGAAACAGGACG 430
TTTGTTTTTCTTTCCAGTCAGTACTGGGAAAGTGGGGAAGGACAGTCATGGAAAAACTACATAAGGAAGCACCTTGCCCTTCTGCCTCTTGAGAATGTTG
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EcoRI
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PstI
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FIG. 15-8

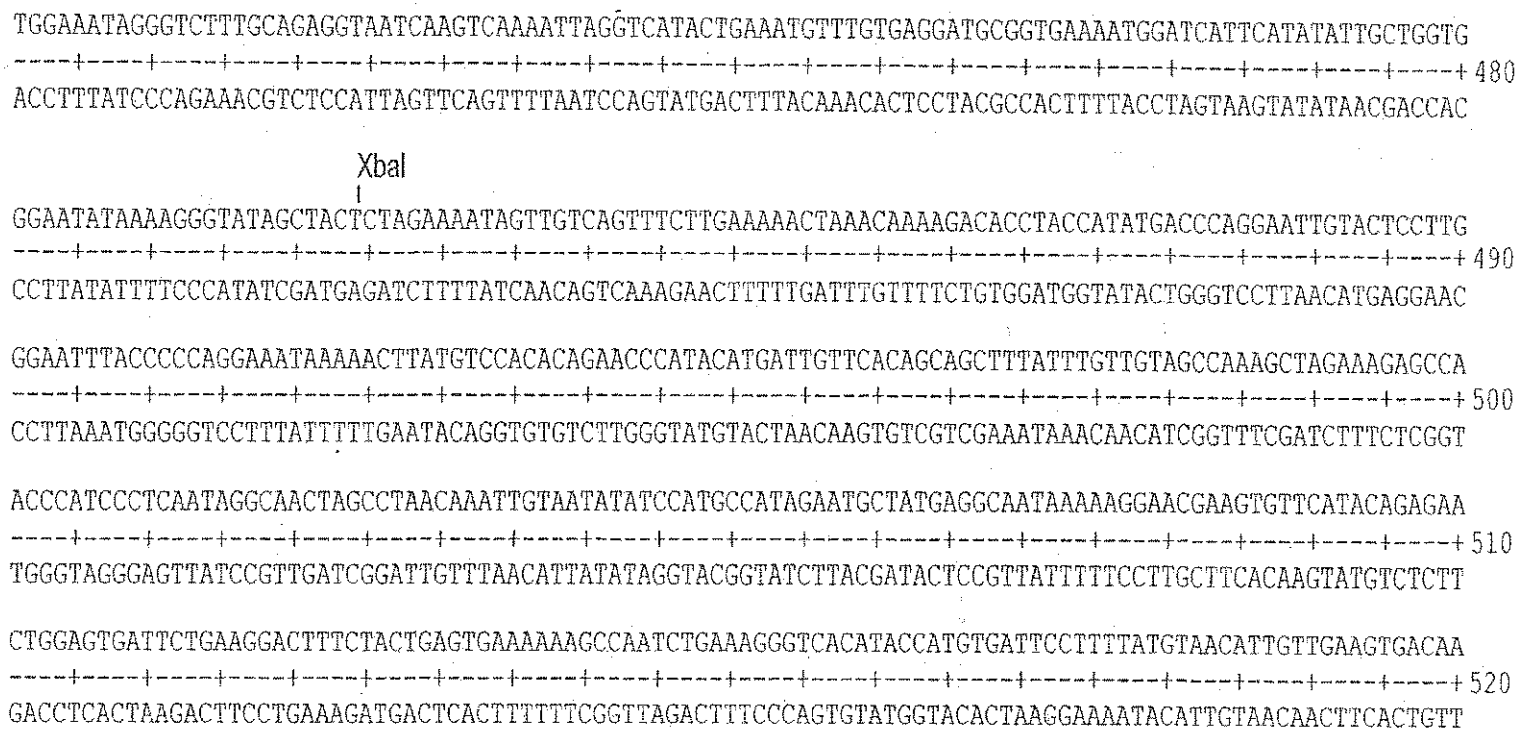

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XbaI
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490
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500
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510
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FIG. 15-9

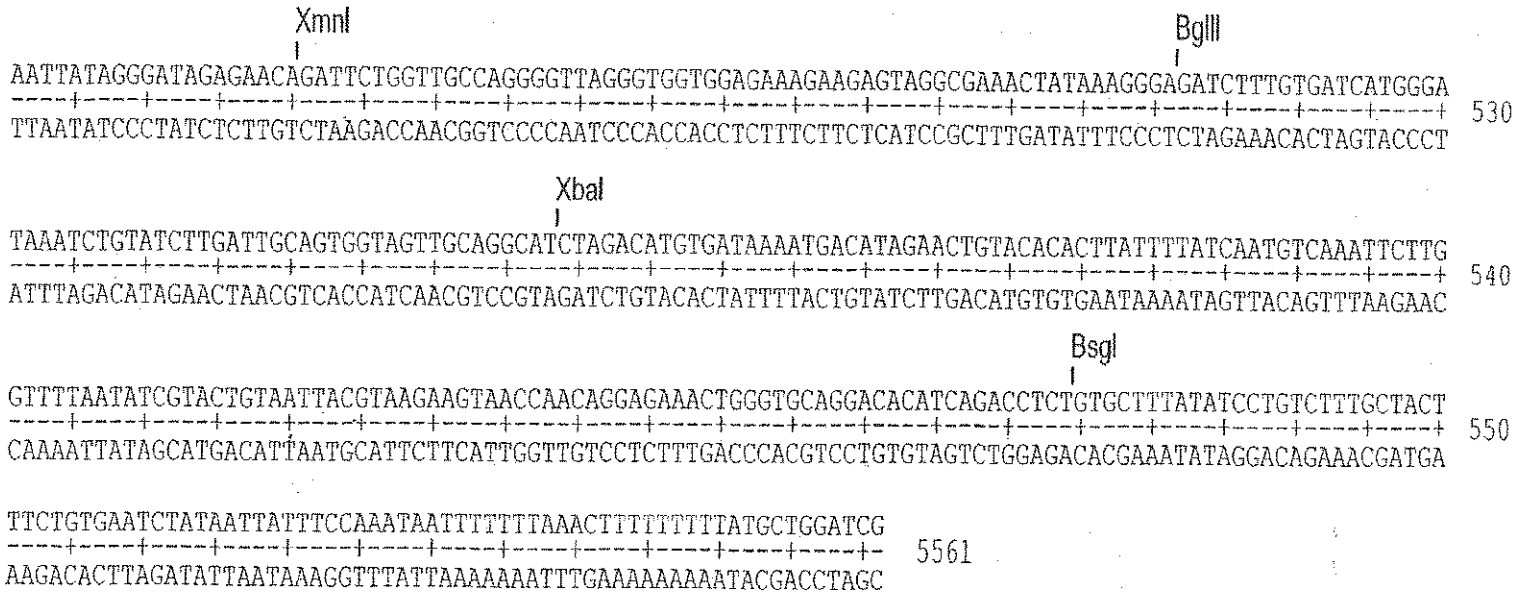

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530
XbaI
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BsgI
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550
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5561

FIG. 15-10

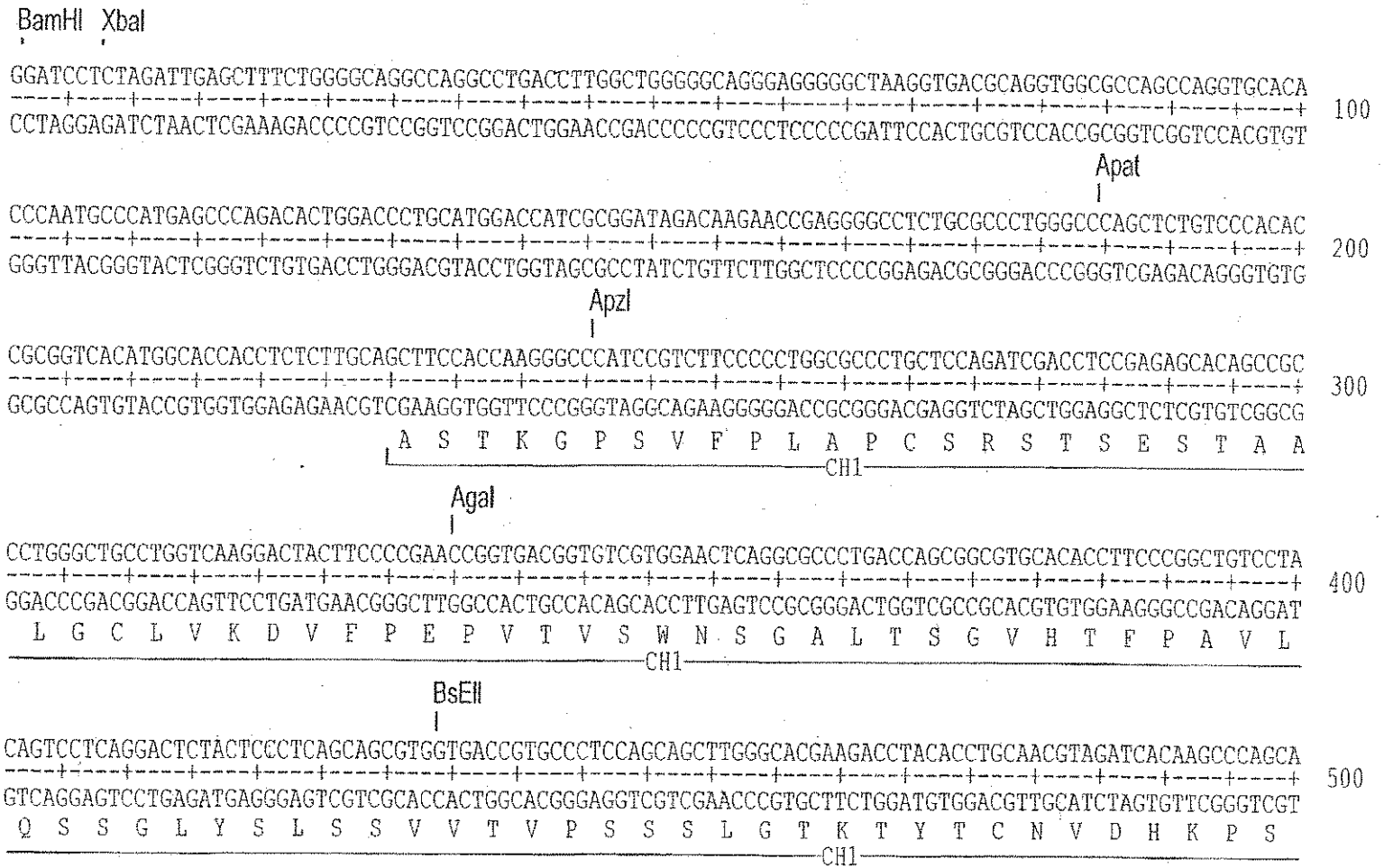

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100
Apat
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200
ApzI
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A S T K G P S V F P L A P C S R S T S E S T A A
CH1
AgaI
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400
L G C L V K D V F P E P V T V S W N S G A L T S G V H T F P A V L
CH1
BsEII
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CH1

FIG. 16-1

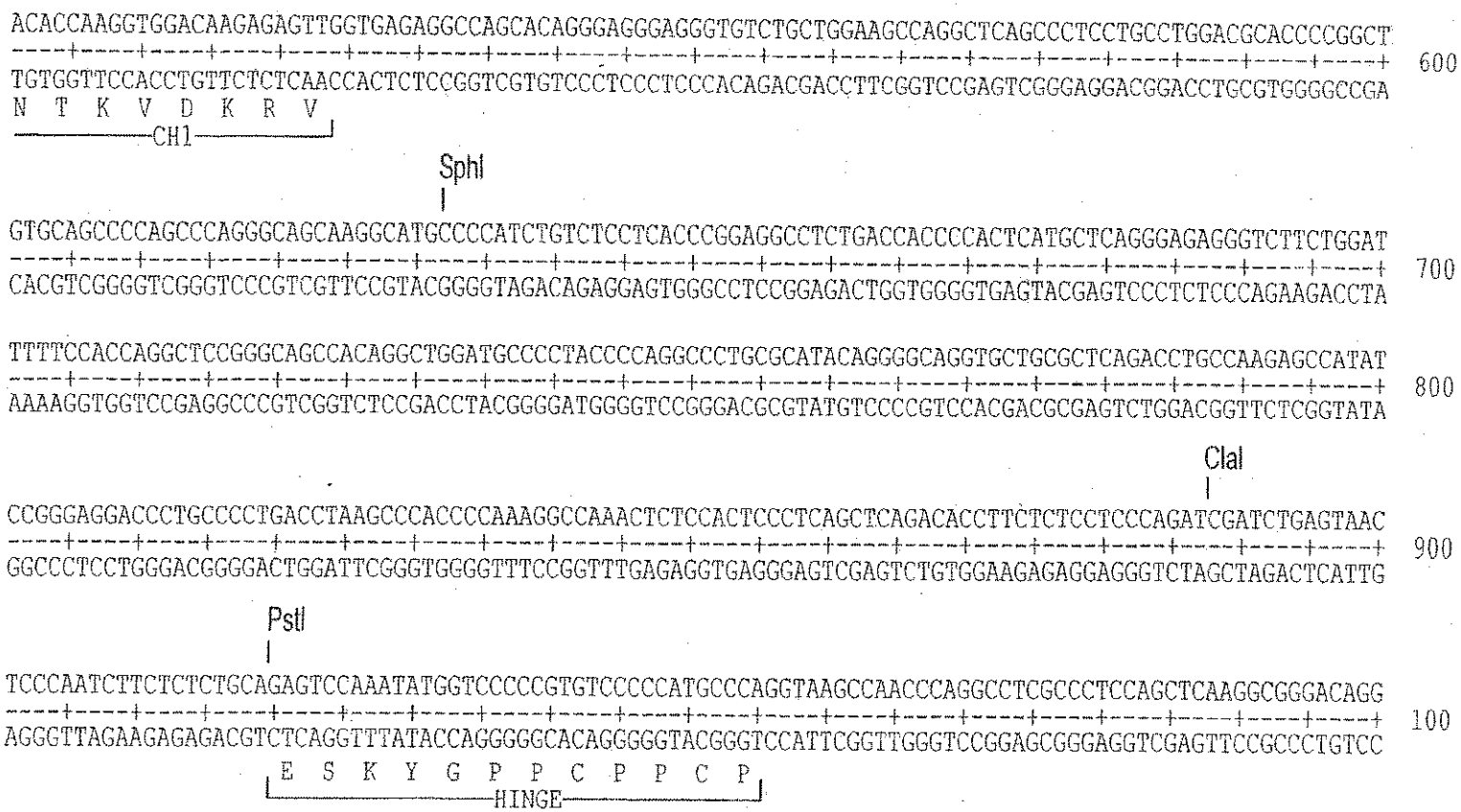

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ClaI
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PstI
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100
E S K Y G P P C P P C P
HINGE

FIG. 16-2

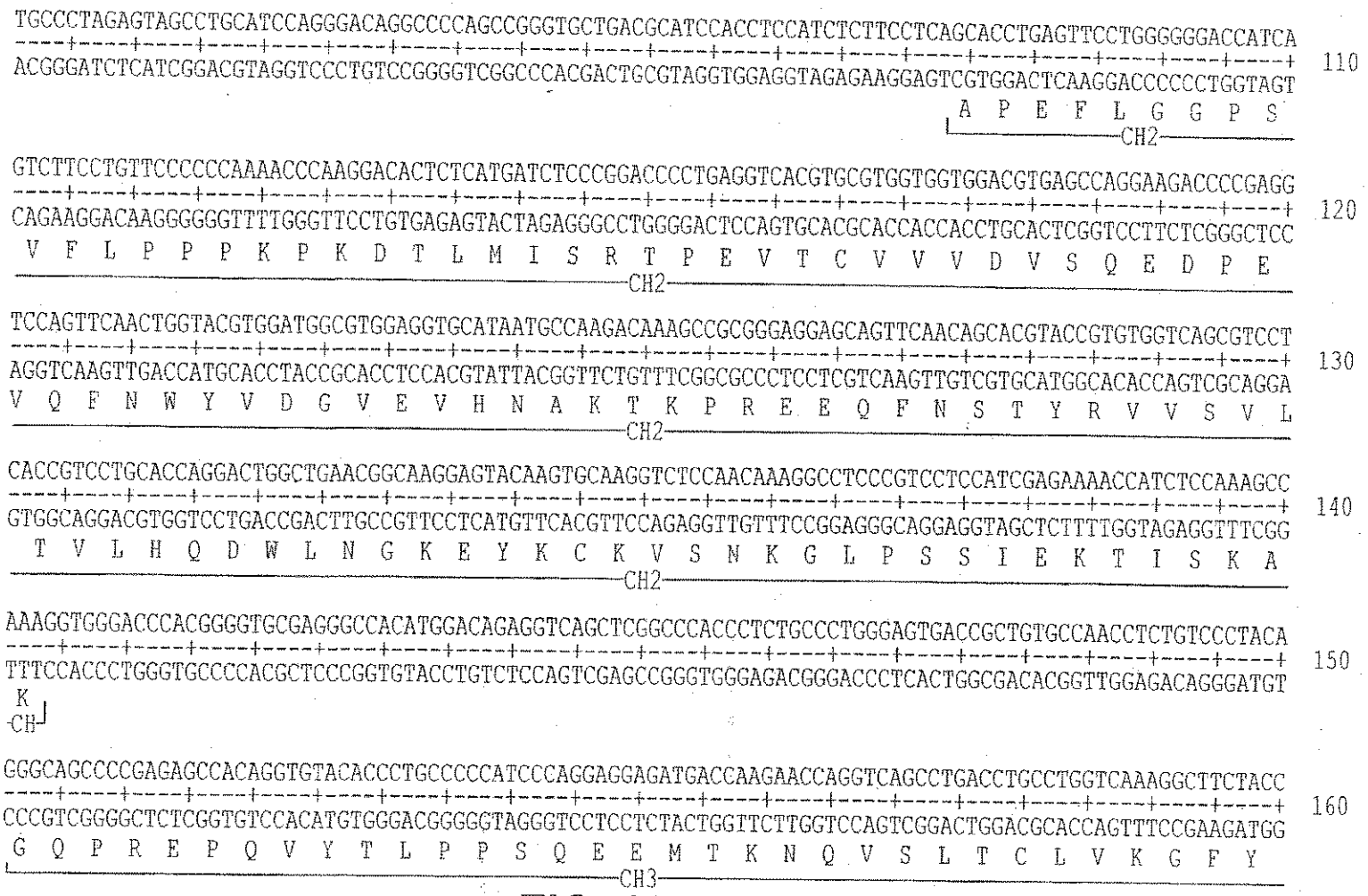

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ACGGGATCTCATCGGACGTAGGTCCCTGTCCGGGGTCGGCCCACGACTGCGTAGGTGGAGGTAGAGAAGGAGTCGTGGACTCAAGGACCCCCCTGGTAGT
110
A P E F L G G P S
CH2
GTCTTCCTGTTCCCCCCAAAACCCAAGGACACTCTCATGATCTCCCGGACCCCTGAGGTCACGTGCGTGGTGGTGGACGTGAGCCAGGAAGACCCCGAGG
CAGAAGGACAAGGGGGGTTTTGGGTTCCTGTGAGAGTACTAGAGGGCCTGGGGACTCCAGTGCACGCACCACCACCTGCACTCGGTCCTTCTCGGGCTCC
120
V F L P P P K P K D T L M I S R T P E V T C V V V D V S Q E D P E
CH2
TCCAGTTCAACTGGTACGTGGATGGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTTCAACAGCACGTACCGTGTGGTCAGCGTCCT
AGGTCAAGTTGACCATGCACCTACCGCACCTCCACGTATTACGGTTCTGTTTCGGCGCCCTCCTCGTCAAGTTGTCGTGCATGGCACACCAGTCGCAGGA
130
V Q F N W Y V D G V E V H N A K T K P R E E Q F N S T Y R V V S V L
CH2
CACCGTCCTGCACCAGGACTGGCTGAACGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGGCCTCCCGTCCTCCATCGAGAAAACCATCTCCAAAGCC
GTGGCAGGACGTGGTCCTGACCGACTTGCCGTTCCTCATGTTCACGTTCCAGAGGTTGTTTCCGGAGGGCAGGAGGTAGCTCTTTGGTAGAGGTTTCGG
140
T V L H Q D W L N G K E Y K C K V S N K G L P S S I E K T I S K A
CH2
AAAGGTGGGACCCACGGGGTGCGAGGGCCACATGGACAGAGGTCAGCTCGGCCCACCCTCTGCCCTGGGAGTGACCGCTGTGCCAACCTCTGTCCCTACA
TTTCCACCCTGGGTGCCCCACGCTCCCGGTGTACCTGTCTCCAGTCGAGCCGGGTGGGAGACGGGACCCTCACTGGCGACACGGTTGGAGACAGGGATGT
150
K
CH
GGGCAGCCCCGAGAGCCACAGGTGTACACCCTGCCCCCATCCCAGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTACC
CCCGTCGGGGCTCTCGGTGTCCACATGTGGGACGGGGGTAGGGTCCTCCTCTACTGGTTCTTGGTCCAGTCGGACTGGACGCACCAGTTTCCGAAGATGG
160
G Q P R E P Q V Y T L P P S Q E E M T K N Q V S L T C L V K G F Y
CH3

FIG. 16-3

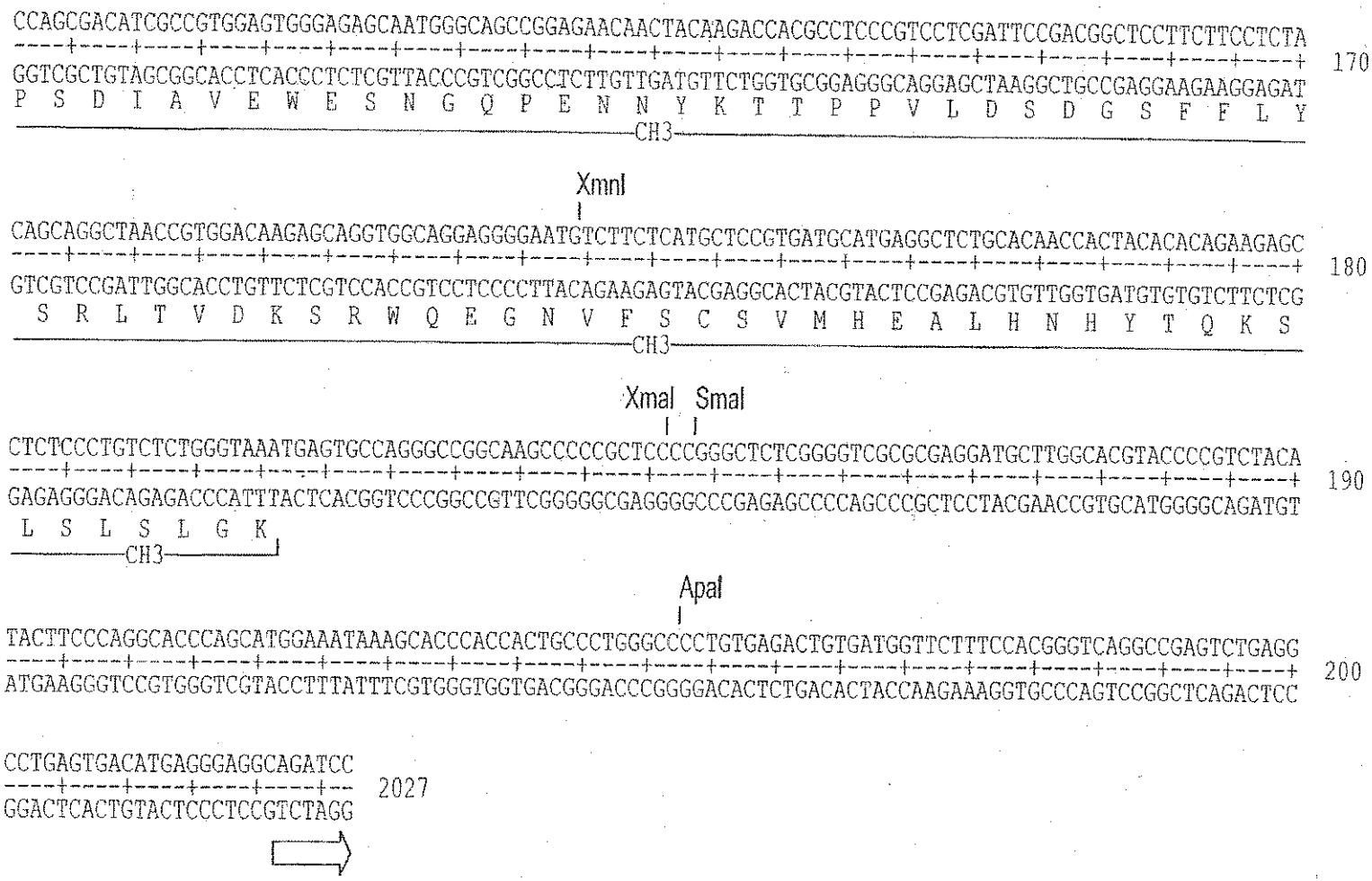

CCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTCCTCGATTCCGACGGCTCCTTCTTCCTCTA
GGTCGCTGTAGCGGCACCTCACCCTCTCGTTACCCGTCGGCCTCTTGTTGATGTTCTGGTGCGGAGGGCAGGAGCTAAGGCTGCCGAGGAAGAAGGAGAT
170
P S D I A V E W E S N G Q P E N N Y K T T P P V L D S D G S F F L Y
CH3
XmnI
CAGCAGGCTAACCGTGGACAAGAGCAGGTGGCAGGAGGGGAATGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACACAGAAGAGC
GTCGTCCGATTGGCACCTGTTCTCGTCCACCGTCCTCCCCTTACAGAAGAGTACGAGGCACTACGTACTCCGAGACGTGTTGGTGATGTGTGTCTTCTCG
180
S R L T V D K S R W Q E G N V F S C S V M H E A L H N H Y T Q K S
CH3
XmaI SmaI
CTCTCCCTGTCTCTGGGTAAATGAGTGCCAGGGCCGGCAAGCCCCCGCTCCCCGGGCTCTCGGGGTCGCGCGAGGATGCTTGGCACGTACCCCGTCTACA
GAGAGGGACAGAGACCCATTTACTCACGGTCCCGGCCGTTCGGGGGCGAGGGGCCCGAGAGCCCCAGCCCGCTCCTACGAACCGTGCATGGGGCAGATGT
190
L S L S L G K
CH3
ApaI
TACTTCCCAGGCACCCAGCATGGAAATAAAGCACCCACCACTGCCCTGGGCCCCTGTGAGACTGTGATGGTTCTTTCCACGGGTCAGGCCGAGTCTGAGG
ATGAAGGGTCCGTGGGTCGTACCTTTATTTCGTGGGTGGTGACGGGACCCGGGGACACTCTGACACTACCAAGAAAGGTGCCCAGTCCGGCTCAGACTCC
200
CCTGAGTGACATGAGGGAGGCAGATCC
GGACTCACTGTACTCCCTCCGTCTAGG
2027

FIG. 16-4

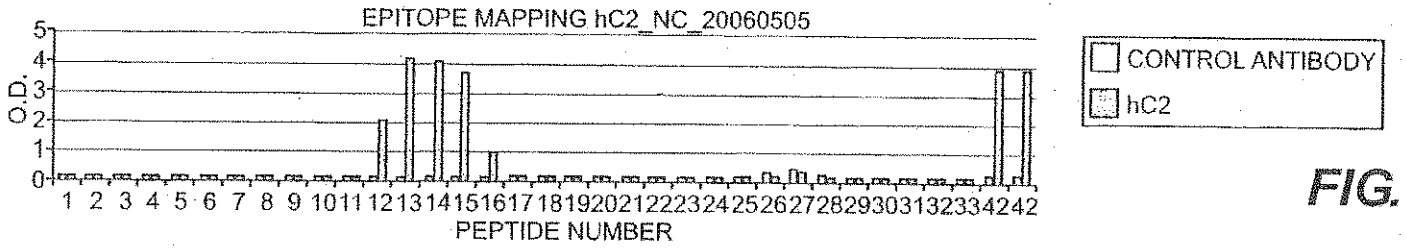
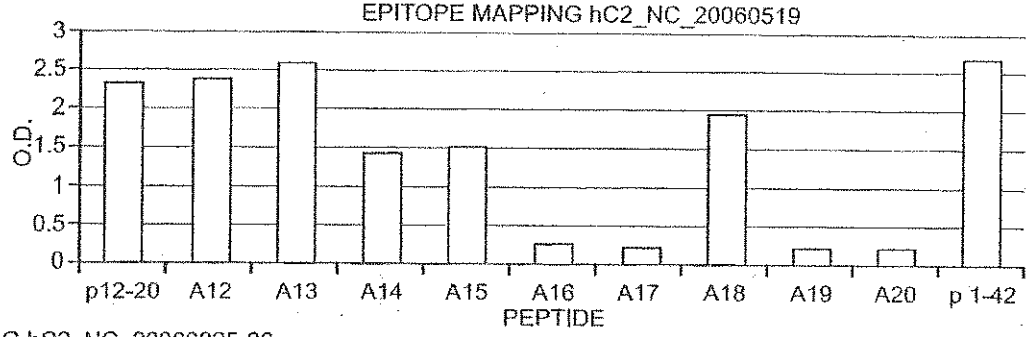


FIG. 17A

FIG. 17B



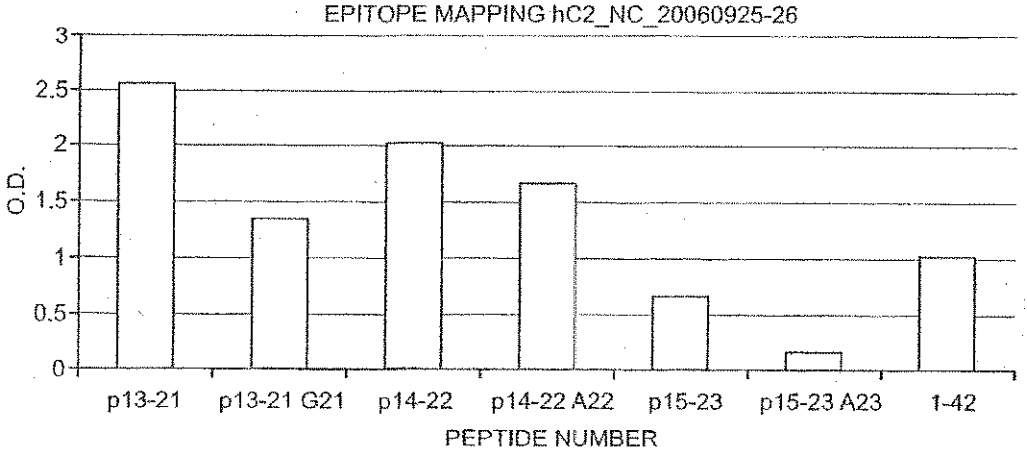


FIG. 17C

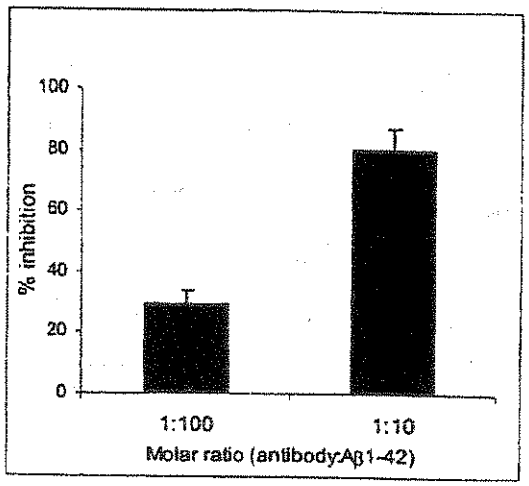

100
80
60
40
20
0
% inhibition
1:100
1:10
Molar ratio (antibody:Aβ1-42)

Fig. 18

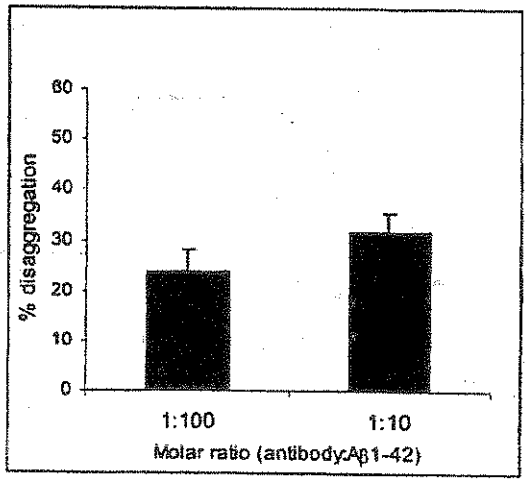

60
50
40
30
20
10
0
% disaggregation
1:100
1:10
Molar ratio (antibody:Aβ1-42)

FIG 19

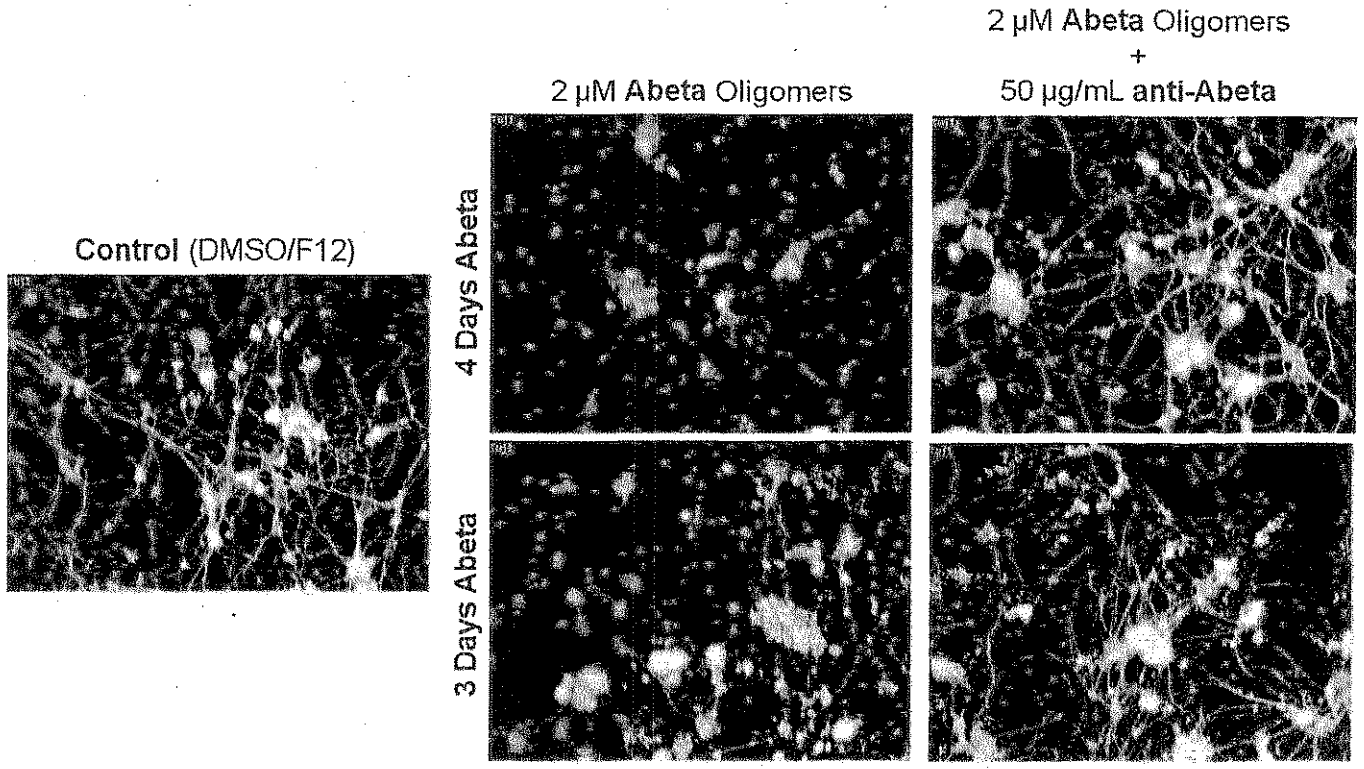

Control (DMSO/F12)
2 µM Abeta Oligomers
2 µM Abeta Oligomers
+
50 µg/mL anti-Abeta
4 Days Abeta
3 Days Abeta

FIG 20