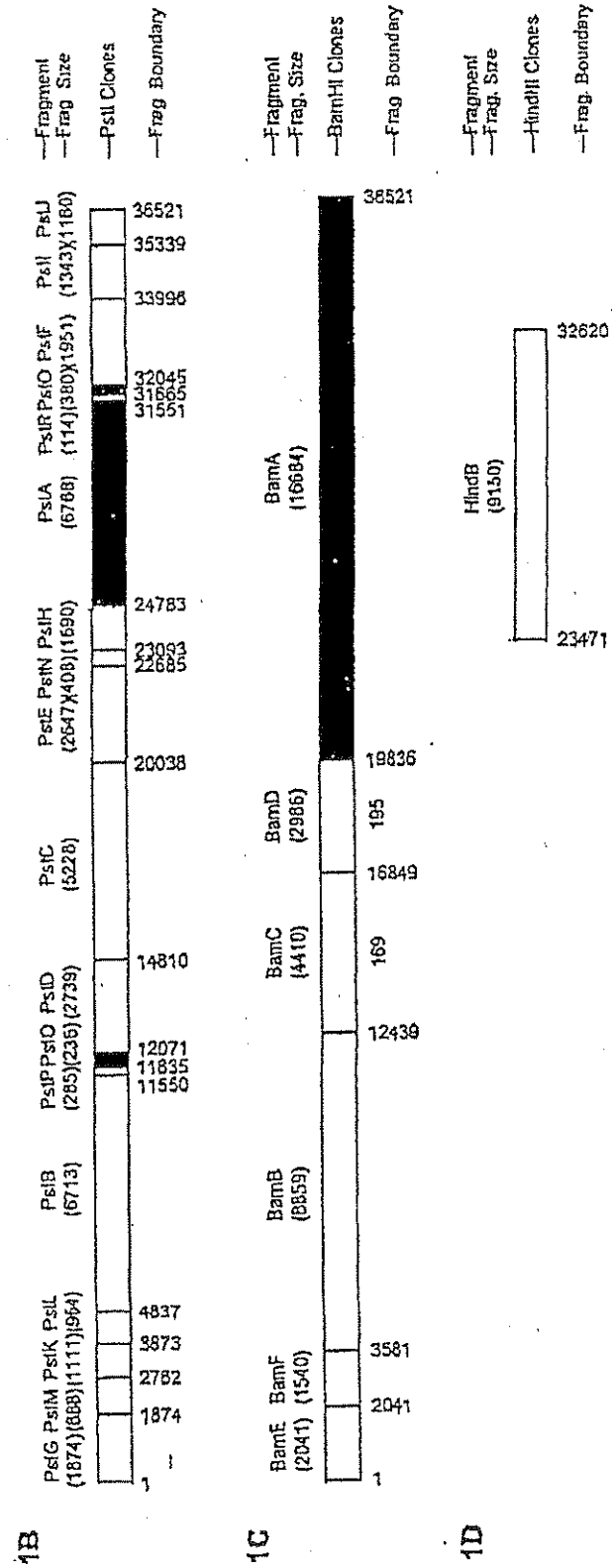


Figure 1

FIG 2

C68 - E	130	NTCQWTKADGEMTA-TE	KTVTVGNAPVOCIN	ITKDGIGOLETD-T	DDOBT
Ad4 - E	130	NTCQW-K-DSDS	KMHTGAAAMPGVGKKIEADG	P-PRDSTS	-CTDTVT
Ad16 - E	130	NTCQW-K-DSDS	KMHTGVAAMPGVGKKIEADG	P-GIDSTS	-GTDVTI
Ad3 - B	130	NTSOMIVTIGONAVIT	TINTGIASIKCCN	ITK-G-O-GKDIITTEG	KPIT
Ad7 - B	130	NTSOMIVTIGERAVIT	TINTGIASIKCCN	ITK-G-O-GKDIIT	-AD-KPIT
Ad2 - C	130	NSCNEQTEDSGRAVADEDEDEDEEEEQNARDQATKTHVYAPSCET	ITKSC-O-C-DNAEQA	-K-E	
		←-----HVR1-----→	←-----HVR2-----→		
C68 - E	177	YADKTYOPEPOVGDAEWHDTIGTDEKYGGRALKPDTKMKPCYGSFAKPTNKEGGOA-N	VK	ITGIC	ITKEYDIDMAF
Ad4 - E	177	YADKTYOPEPOVGDSWDNTCAEYKGGRAKDTTKMPCYGSFAKPTNKEGGOA-N	K-D-EP	ATPNYDID	AF
Ad16 - E	177	YADKTYOPEPOVGASVWDANCTEYKGGRAKDTTKMKPCYGSFAKPTNKEGGOA-N	K-D-ET	ATPNYDID	AF
Ad3 - B	183	YADKTYOPEPOVGESWTDTGTNEKGGRAKPAATNMKPCYGSFAPTNLKGGQAKNRKVPTTEGSEVETEPPDIDMEF			
Ad7 - B	181	YADKTYOPEPOVGESWTDTGTNEKGGRAKPAATNMKPCYGSFAPTNLKGGQAKNRKVPTTEGSEVETEPPDIDMEF			
Ad2 - C	205	YADPXYOPEPOVIGESOWNHADA-A-AGGRVLKKTTPMKPCYGSFAPTNPFGGO	VHVDPD-EKEV	-PLPKVD	BOF
		←-----HVR3-----→	←-----HVR4-----→		
C68 - E	251	FDRSAA	AAGIAPETVLYTENVDLETPTDTHIVYKAGTDDSSSINIQQAMPNRPNYIGFRDNFIFGLMYXNSTGNM		
Ad4 - E	253	FDSKI	VANYDPEIVLYTENVDLETPTDTHIVYKPGTDDSSSNLQQAMPNRPNYIGFRDNFIFGLMYXNSTGNM		
Ad16 - E	253	FDNANI	AANYDPEIVLYTENVDLETPTDTHIVYKPGTDDSSSNLQQAMPNRPNYIGFRDNFIFGLMYXNSTGNM		
Ad3 - B	259	EDGRDAV	ACILAPETVLYTENVLETPDHHVYKPTLS-NSHANLQQAMPNRPNYIGFRDNFIFGLMYXNSTGNM		
Ad7 - B	130	EDGREA	ADIFPEIVLYTENVLETPDHHVYKPGTSDDNSHANLQQAMPNRPNYIGFRDNFIFGLMYXNSTGNM		
Ad2 - C	277	FSNTLSLNDROGNATKPKVLYEOWNLETPDTHSVYKPGKGDENSKAMLGQOSMPNRPNYIFRDNFIFGLMYXNSTGNM			
		←-----HVR5-----→	←-----HVR6-----→		
C68 - E	327	GVLAGQASQLNAVVDLQDRNTELSYQLLLDSLGDRTRYFSMWNOAVDSYDPDVRIIENHGVDEDELPNYCEPLDAVGRDTDT			
Ad4 - E	328	GVLAGQASQLNAVVDLQDRNTELSYQLLLDSLGDRTRYFSMWNOAVDSYDPDVRIIENHGVDEDELPNYCEPLDAVGRDTDT			
Ad16 - E	328	GVLAGQASQLNAVVDLQDRNTELSYQLLLDSLGDRTRYFSMWNOAVDSYDPDVRIIENHGVDEDELPNYCEPLDAVGRDTDT			
Ad3 - B	338	GVLAGQASQLNAVVDLQDRNTELSYQLLLDSLGDRTRYFSMWNOAVDSYDPDVRIIENHGVDEDELPNYCEPLDAVGRDTDT			
Ad7 - B	334	GVLAGQASQLNAVVDLQDRNTELSYQLLLDSLGDRTRYFSMWNOAVDSYDPDVRIIENHGVDEDELPNYCEPLDAVGRDTDT			
Ad2 - C	357	GVLAGQASQLNAVVDLQDRNTELSYQLLLDSLGDRTRYFSMWNOAVDSYDPDVRIIENHGVDEDELPNYCEPLDAVGRDTDT			
		←-----HVR7-----→			
C68 - E	407	YQGIKANG	DOTTWTKDDSDNDANEIGKGNPFAM		
Ad4 - E	408	YQGKVKTD-AG-S	QWMDKDDTVSANEIHVGNPFAM		
Ad16 - E	408	YQGKVKTDVAGTSG	QWMDKDDTVSTANEIHGNNPFAM		
Ad3 - B	418	YQGIKVKTD	DTNGWEKDDAN-VAPANEITIGNNILAM		
Ad7 - B	414	YQGIKSK	DNGWEKDDN-VSKNEIIGNNQAM		
Ad2 - C	437	YQGIKANGSGS-GDNCD	TTTWTKDDSDPATRNEIGVGNPFAM		

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Compositions Useful Therein
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Lys Lys Ala Gln Gln Ala Ala Ala Asp Thr Gly His Ser Asn Gln Val
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Ser Thr Leu Gln Glu Gln Ile Gly Trp Met Thr Asn Asn Pro Pro Ile
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Ile Val Arg Met Tyr Ser Pro Thr Ser Ile Leu Asp Ile Arg Gln Gly
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Leu Leu Val Gln Asn Ala Asn Pro Asp Cys Lys Thr Ile Leu Lys Ala
 325 330 335

Leu Gly Pro Ala Ala Thr Leu Glu Glu Met Met Thr Ala Cys Gln Gly
 340 345 350

Val Gly Gly Pro Gly His Lys Ala Arg Val Leu
 355 360

<210> 8
 <211> 311
 <212> PRT
 <213> Chimpanzee type adenovirus

<400> 8

Asn Thr Cys Gln Trp Thr Tyr Lys Ala Asp Gly Glu Thr Ala Thr Glu
 1 5 10 15

Lys Thr Tyr Thr Tyr Gly Asn Ala Pro Val Gln Gly Ile Asn Ile Thr
 20 25 30

Lys Asp Gly Ile Gln Leu Gly Thr Asp Thr Asp Asp Gln Pro Ile Tyr
 35 40 45

Ala Asp Lys Thr Tyr Gln Pro Glu Pro Gln Val Gly Asp Ala Glu Trp
 50 55 60

His Asp Ile Thr Gly Thr Asp Glu Lys Tyr Gly Gly Arg Ala Leu Lys
 65 70 75 80

Pro Asp Thr Lys Met Lys Pro Cys Tyr Gly Ser Phe Ala Lys Pro Thr
 85 90 95

Asn Lys Glu Gly Gly Gln Ala Asn Val Lys Thr Gly Thr Gly Thr Thr
 100 105 110

Lys Glu Tyr Asp Ile Asp Met Ala Phe Phe Asp Asn Arg Ser Ala Ala
 115 120 125

Ala Ala Gly Leu Ala Pro Glu Ile Val Leu Tyr Thr Glu Asn Val Asp
 130 135 140

Leu Glu Thr Pro Asp Thr His Ile Val Tyr Lys Ala Gly Thr Asp Asp
 145 150 155 160

Ser Ser Ser Ser Ile Asn Leu Gly Gln Gln Ala Met Pro Asn Arg Pro
 165 170 175

Val Tyr Ile Gly Phe Arg Asp Asn Phe Ile Gly Leu Met Tyr Tyr Asn
 180 185 190

Ser Thr Gly Asn Met Gly Val Leu Ala Gly Gln Ala Ser Gln Leu Asn
 195 200 205

Ala Val Val Asp Leu Gln Asp Arg Asn Thr Glu Leu Ser Tyr Gln Leu
 210 215 220

Leu Leu Asp Ser Leu Gly Asp Arg Thr Arg Tyr Phe Ser Met Trp Asn
 225 230 235 240

Gln Ala Val Asp Ser Tyr Asp Pro Asp Val Arg Ile Ile Glu Asn His

245 250 255
 Gly Val Glu Asp Glu Leu Pro Asn Tyr Cys Phe Pro Leu Asp Ala Val
 260 265 270
 Gly Arg Thr Asp Thr Tyr Gln Gly Ile Lys Ala Asn Gly Thr Asp Gln
 275 280 285
 Thr Thr Trp Thr Lys Asp Asp Ser Val Asn Asp Ala Asn Glu Ile Gly
 290 295 300
 Lys Gly Asn Pro Phe Ala Met
 305 310
 <210> 9
 <211> 314
 <212> PRT
 <213> Human adenovirus type 4
 <400> 9
 Asn Thr Cys Gln Trp Lys Asp Ser Asp Ser Lys Met His Thr Phe Gly
 1 5 10 15
 Ala Ala Ala Met Pro Gly Val Thr Gly Lys Lys Ile Glu Ala Asp Gly
 20 25 30
 Leu Pro Ile Arg Ile Asp Ser Thr Ser Gly Thr Asp Thr Val Ile Tyr
 35 40 45
 Ala Asp Lys Thr Phe Gln Pro Glu Pro Gln Val Gly Asn Asp Ser Trp
 50 55 60
 Val Asp Thr Asn Gly Ala Glu Glu Lys Tyr Gly Gly Arg Ala Leu Lys
 65 70 75 80
 Asp Thr Thr Lys Met Asn Pro Cys Tyr Gly Ser Phe Ala Lys Pro Thr
 85 90 95
 Asn Lys Glu Gly Gly Gln Ala Asn Leu Lys Asp Ser Glu Pro Ala Ala
 100 105 110
 Thr Thr Pro Asn Tyr Asp Ile Asp Leu Ala Phe Phe Asp Ser Lys Thr
 115 120 125

Ile Val Ala Asn Tyr Asp Pro Asp Ile Val Met Tyr Thr Glu Asn Val
 130 135 140

Asp Leu Gln Thr Pro Asp Thr His Ile Val Tyr Lys Pro Gly Thr Glu
 145 150 155 160

Asp Thr Ser Ser Glu Ser Asn Leu Gly Gln Gln Ala Met Pro Asn Arg
 165 170 175

Pro Asn Tyr Ile Gly Phe Arg Asp Asn Phe Ile Gly Leu Met Tyr Tyr
 180 185 190

Asn Ser Thr Gly Asn Met Gly Val Leu Ala Gly Gln Ala Ser Gln Leu
 195 200 205

Asn Ala Val Val Asp Leu Gln Asp Arg Asn Thr Glu Leu Ser Tyr Gln
 210 215 220

Leu Leu Leu Asp Ser Leu Gly Asp Arg Thr Arg Tyr Phe Ser Met Trp
 225 230 235 240

Asn Gln Ala Val Asp Ser Tyr Asp Pro Asp Val Arg Ile Ile Glu Asn
 245 250 255

His Gly Val Glu Asp Glu Leu Pro Asn Tyr Cys Phe Pro Leu Asn Gly
 260 265 270

Val Gly Leu Thr Asp Thr Tyr Gln Gly Val Lys Val Lys Thr Asp Ala
 275 280 285

Gly Ser Glu Lys Trp Asp Lys Asp Asp Thr Thr Val Ser Asn Ala Asn
 290 295 300

Glu Ile His Val Gly Asn Pro Phe Ala Met
 305 310

<210> 10
 <211> 318
 <212> PRT
 <213> Human adenovirus type 16

<400> 10

Asn Thr Cys Gln Trp Lys Asp Ser Asp Ser Lys Met His Thr Phe Gly

1	5	10	15
Val Ala Ala Met Pro Gly Val Thr Gly Lys Lys Ile Glu Ala Asp Gly	20	25	30
Leu Pro Ile Gly Ile Asp Ser Thr Ser Gly Thr Asp Thr Val Ile Tyr	35	40	45
Ala Asp Lys Thr Phe Gln Pro Glu Pro Gln Val Gly Asn Ala Ser Trp	50	55	60
Val Asp Ala Asn Gly Thr Glu Glu Lys Tyr Gly Gly Arg Ala Leu Lys	65	70	75
Asp Thr Thr Lys Met Lys Pro Cys Tyr Gly Ser Phe Ala Lys Pro Thr	85	90	95
Asn Lys Glu Gly Gly Gln Ala Asn Leu Lys Asp Ser Glu Thr Ala Ala	100	105	110
Thr Thr Pro Asn Tyr Asp Ile Asp Leu Ala Phe Phe Asp Asn Lys Asn	115	120	125
Ile Ala Ala Asn Tyr Asp Pro Asp Ile Val Met Tyr Thr Glu Asn Val	130	135	140
Asp Leu Gln Thr Pro Asp Thr His Ile Val Tyr Lys Pro Gly Thr Glu	145	150	155
Asp Thr Ser Ser Glu Ser Asn Leu Gly Gln Gln Ala Met Pro Asn Arg	165	170	175
Pro Asn Tyr Ile Gly Phe Arg Asp Asn Phe Ile Gly Leu Met Tyr Tyr	180	185	190
Asn Ser Thr Gly Asn Met Gly Val Leu Ala Gly Gln Ala Ser Gln Leu	195	200	205
Asn Ala Val Val Asp Leu Gln Asp Arg Asn Thr Glu Leu Ser Tyr Gln	210	215	220
Leu Leu Leu Asp Ser Leu Gly Asp Arg Thr Arg Tyr Phe Ser Met Trp	225	230	235
			240

Asn Gln Ala Val Asp Ser Tyr Asp Pro Asp Val Arg Ile Ile Glu Asn
 245 250 255

His Gly Val Glu Asp Glu Leu Pro Asn Tyr Cys Phe Pro Leu Asn Gly
 260 265 270

Val Gly Phe Thr Asp Thr Tyr Gln Gly Val Lys Val Lys Thr Asp Ala
 275 280 285

Val Ala Gly Thr Ser Gly Thr Gln Trp Asp Lys Asp Asp Thr Thr Val
 290 295 300

Ser Thr Ala Asn Glu Ile His Gly Gly Asn Pro Phe Ala Met
 305 310 315

<210> 11
 <211> 323
 <212> PRT
 <213> Human adenovirus type 3

<400> 11

Asn Thr Ser Gln Trp Ile Val Thr Thr Asn Gly Asp Asn Ala Val Thr
 1 5 10 15

Thr Thr Thr Asn Thr Phe Gly Ile Ala Ser Met Lys Gly Gly Asn Ile
 20 25 30

Thr Lys Glu Gly Leu Gln Ile Gly Lys Asp Ile Thr Thr Thr Glu Gly
 35 40 45

Glu Glu Lys Pro Ile Tyr Ala Asp Lys Thr Tyr Gln Pro Glu Pro Gln
 50 55 60

Val Gly Glu Glu Ser Trp Thr Asp Thr Asp Gly Thr Asn Glu Lys Phe
 65 70 75 80

Gly Gly Arg Ala Leu Lys Pro Ala Thr Asn Met Lys Pro Cys Tyr Gly
 85 90 95

Ser Phe Ala Arg Pro Thr Asn Ile Lys Gly Gly Gln Ala Lys Asn Arg
 100 105 110

Lys Val Lys Pro Thr Thr Glu Gly Gly Val Glu Thr Glu Glu Pro Asp
 115 120 125

Ile Asp Met Glu Phe Phe Asp Gly Arg Asp Ala Val Ala Gly Ala Leu
 130 135 140

Ala Pro Glu Ile Val Leu Tyr Thr Glu Asn Val Asn Leu Glu Thr Pro
 145 150 155 160

Asp Ser His Val Val Tyr Lys Pro Glu Thr Ser Asn Asn Ser His Ala
 165 170 175

Asn Leu Gly Gln Gln Ala Met Pro Asn Arg Pro Asn Tyr Ile Gly Phe
 180 185 190

Arg Asp Asn Phe Val Gly Leu Met Tyr Tyr Asn Ser Thr Gly Asn Met
 195 200 205

Gly Val Leu Ala Gly Gln Ala Ser Gln Leu Asn Ala Val Val Asp Leu
 210 215 220

Gln Asp Arg Asn Thr Glu Leu Ser Tyr Gln Leu Leu Leu Asp Ser Leu
 225 230 235 240

Gly Asp Arg Thr Arg Tyr Phe Ser Met Trp Asn Gln Ala Val Asp Ser
 245 250 255

Tyr Asp Pro Asp Val Arg Ile Ile Glu Asn His Gly Ile Glu Asp Glu
 260 265 270

Leu Pro Asn Tyr Cys Phe Pro Leu Asn Gly Ile Gly Pro Gly His Thr
 275 280 285

Tyr Gln Gly Ile Lys Lys Val Lys Thr Asp Asp Thr Asn Gly Trp Glu
 290 295 300

Lys Asp Ala Asn Val Ala Pro Ala Asn Glu Ile Thr Ile Gly Asn Asn
 305 310 315 320

Leu Ala Met

<210> 12

<211> 315
 <212> PRT
 <213> Human adenovirus type 7

<400> 12

Asn Thr Ser Gln Trp Ile Val Thr Ala Gly Glu Glu Arg Ala Val Thr
 1 5 10 15

Thr Thr Thr Asn Thr Phe Gly Ile Ala Ser Met Lys Gly Asp Asn Ile
 20 25 30

Thr Lys Glu Gly Leu Glu Ile Gly Lys Asp Ile Thr Ala Asp Asn Lys
 35 40 45

Pro Ile Tyr Ala Asp Lys Thr Tyr Gln Pro Glu Pro Gln Val Gly Glu
 50 55 60

Glu Ser Trp Thr Asp Thr Asp Gly Thr Asn Glu Lys Phe Gly Gly Arg
 65 70 75 80

Ala Leu Lys Pro Ala Thr Lys Met Lys Pro Cys Tyr Gly Ser Phe Ala
 85 90 95

Arg Pro Thr Asn Ile Lys Gly Gly Gln Ala Lys Asn Arg Lys Val Lys
 100 105 110

Pro Thr Glu Gly Asp Val Glu Thr Glu Glu Pro Asp Ile Asp Met Glu
 115 120 125

Phe Phe Asp Gly Arg Glu Ala Ala Asp Ala Phe Ser Pro Glu Ile Val
 130 135 140

Leu Tyr Thr Glu Asn Val Asn Leu Glu Thr Pro Asp Ser His Val Val
 145 150 155 160

Tyr Lys Pro Gly Thr Ser Asp Asp Asn Ser His Ala Asn Leu Gly Gln
 165 170 175

Gln Ala Met Pro Asn Arg Pro Asn Tyr Ile Gly Phe Arg Asp Asn Phe
 180 185 190

Val Gly Leu Met Tyr Tyr Asn Ser Thr Gly Asn Met Gly Val Leu Ala
 195 200 205

Gly Gln Ala Ser Gln Leu Asn Ala Val Val Asp Leu Gln Asp Arg Asn
 210 215 220

Thr Glu Leu Ser Tyr Gln Leu Leu Leu Asp Ser Leu Gly Asp Arg Thr
 225 230 235 240

Arg Tyr Phe Ser Met Trp Asn Gln Ala Val Asp Ser Tyr Asp Pro Asp
 245 250 255

Val Arg Ile Ile Glu Asn His Gly Ile Glu Asp Glu Leu Pro Asn Tyr
 260 265 270

Cys Phe Pro Leu Asp Gly Ile Gly Pro Ala Lys Thr Tyr Gln Gly Ile
 275 280 285

Lys Ser Lys Asp Asn Gly Trp Glu Lys Asp Asp Asn Val Ser Lys Ser
 290 295 300

Asn Glu Ile Ala Ile Gly Asn Asn Gln Ala Met
 305 310 315

<210> 13
 <211> 345
 <212> PRT
 <213> Human adenovirus type 2

<400> 13

Asn Ser Cys Glu Trp Glu Gln Thr Glu Asp Ser Gly Arg Ala Val Ala
 1 5 10 15

Glu Asp Glu Glu Glu Glu Asp Glu Asp Glu Glu Glu Glu Glu Glu
 20 25 30

Gln Asn Ala Arg Asp Gln Ala Thr Lys Lys Thr His Val Tyr Ala Gln
 35 40 45

Ala Pro Leu Ser Gly Glu Thr Leu Thr Lys Ser Gly Leu Gln Ile Gly
 50 55 60

Ser Lys Asn Ala Glu Thr Gln Ala Lys Pro Val Tyr Ala Asp Pro Ser
 65 70 75 80

Tyr Gln Pro Glu Pro Gln Ile Gly Glu Ser Gln Trp Asn Glu Ala Asp

85	90	95
Ala Asn Ala Ala Gly Gly Arg Val Leu Lys Lys Thr Thr Pro Met Lys 100 105 110		
Pro Tyr Gly Ser Tyr Ala Arg Pro Thr Asn Pro Phe Gly Gly Gln Ser 115 120 125		
Val Leu Val Pro Asp Glu Lys Gly Val Pro Leu Pro Lys Val Asp Leu 130 135 140		
Gln Phe Phe Ser Asn Thr Thr Ser Leu Asn Asp Arg Gln Gly Asn Ala 145 150 155 160		
Thr Lys Pro Lys Val Val Leu Tyr Ser Glu Asp Val Asn Met Glu Thr 165 170 175		
Pro Asp Thr His Leu Ser Tyr Lys Pro Gly Lys Gly Asp Glu Asn Ser 180 185 190		
Lys Ala Met Leu Gly Gln Gln Ser Met Pro Asn Arg Pro Asn Tyr Ile 195 200 205		
Ala Phe Arg Asp Asn Phe Ile Gly Leu Met Tyr Tyr Asn Ser Thr Gly 210 215 220		
Asn Met Gly Val Leu Ala Gly Gln Ala Ser Gln Leu Asn Ala Val Val 225 230 235 240		
Asp Leu Gln Asp Arg Asn Thr Glu Leu Ser Tyr Gln Leu Leu Leu Asp 245 250 255		
Ser Ile Gly Asp Arg Thr Arg Tyr Phe Ser Met Trp Asn Gln Ala Val 260 265 270		
Asp Ser Tyr Asp Pro Asp Val Arg Ile Ile Glu Asn His Gly Thr Glu 275 280 285		
Asp Glu Leu Pro Asn Tyr Cys Phe Pro Leu Gly Gly Ile Gly Val Thr 290 295 300		
Asp Thr Tyr Gln Ala Ile Lys Ala Asn Gly Asn Gly Ser Gly Asp Asn 305 310 315 320		

Gly Asp Thr Thr Trp Thr Lys Asp Glu Thr Phe Ala Thr Arg Asn Glu
325 330 335

Ile Gly Val Gly Asn Asn Phe Ala Met
340 345