

SEQUENCE LISTING

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<120> PROTEIN-BASED THERAPY AND DIAGNOSIS OF TAU-MEDIATED PATHOLOGIES IN ALZHEIMER'S DISEASE

<130> 1163400010000

<150> US 61/536,339

<151> 2011-09-19

<150> US 61/653,115

<151> 2012-05-30

<160> 283

<170> PatentIn version 3.5

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 Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile
 1 5 10 15

Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys
 20 25 30

<210> 93

<211> 30
<212> PRT
<213> Homo sapiens

<400> 93
Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu
1 5 10 15

Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr
20 25 30

<210> 94
<211> 30
<212> PRT
<213> Homo sapiens

<400> 94
Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr
1 5 10 15

His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr Asp
20 25 30

<210> 95
<211> 30
<212> PRT
<213> Homo sapiens

<400> 95
Asn Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr His
1 5 10 15

Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr Asp His
20 25 30

<210> 96
<211> 30
<212> PRT
<213> Homo sapiens

<400> 96
Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr His Lys
1 5 10 15

Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr Asp His Gly
20 25 30

<210> 97
<211> 30
<212> PRT
<213> Homo sapiens

<400> 97
Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr His Lys Leu
1 5 10 15

Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr Asp His Gly Ala
20 25 30

<210> 98
<211> 7
<212> PRT
<213> Homo sapiens

<400> 98
Lys His Gln Pro Gly Gly Gly
1 5

<210> 99
<211> 7
<212> PRT
<213> Homo sapiens

<400> 99
Lys His Val Pro Gly Gly Gly
1 5

<210> 100
<211> 7
<212> PRT
<213> Homo sapiens

<400> 100
His His Lys Pro Gly Gly Gly
1 5

<210> 101
<211> 7
<212> PRT
<213> Homo sapiens

<400> 101
Thr His Val Pro Gly Gly Gly
1 5

<210> 102
<211> 441
<212> PRT
<213> Homo sapiens

<400> 102
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
 100 105 110
 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
 115 120 125
 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
 130 135 140
 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
 145 150 155 160
 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
 165 170 175
 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
 180 185 190
 Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
 195 200 205
 Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
 210 215 220
 Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
 225 230 235 240
 Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
 245 250 255
 Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
 260 265 270
 Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
 275 280 285
 Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
 290 295 300
 Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
 305 310 315 320
 Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
 325 330 335
 Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
 340 345 350
 Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
 355 360 365

Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala
370 375 380

Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser
385 390 395 400

Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
405 410 415

Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val
420 425 430

Ser Ala Ser Leu Ala Lys Gln Gly Leu
435 440

<210> 103
<211> 412
<212> PRT
<213> Homo sapiens

<400> 103
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Ala Glu Glu Ala Gly Ile Gly
65 70 75 80

Asp Thr Pro Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala
85 90 95

Arg Met Val Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys
100 105 110

Ala Lys Gly Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala
115 120 125

Ala Pro Pro Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala
130 135 140

Lys Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro
145 150 155 160

Lys Ser Gly Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr
165 170 175

Pro Gly Ser Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg
 180 185 190
 Glu Pro Lys Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser
 195 200 205
 Ser Ala Lys Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu
 210 215 220
 Lys Asn Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln
 225 230 235 240
 Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser
 245 250
 Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro
 260 265 270
 Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys
 275 280 285
 Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly
 290 295 300
 Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg
 305 310 315 320
 Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly
 325 330 335
 Gly Gly Asn Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn
 340 345 350
 Ala Lys Ala Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro
 355 360 365
 Val Val Ser Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser
 370 375 380
 Thr Gly Ser Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala
 385 390 395 400
 Asp Glu Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
 405 410

<210> 104
 <211> 410
 <212> PRT
 <213> Homo sapiens

<400> 104
 Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
 1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
 20 25 30
 Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
 35 40 45
 Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
 50 55 60
 Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
 65 70 75 80
 Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
 85 90 95
 Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
 100 105 110
 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
 115 120 125
 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
 130 135 140
 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
 145 150 155 160
 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
 165 170 175
 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
 180 185 190
 Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
 195 200 205
 Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
 210 215 220
 Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
 225 230 235 240
 Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
 245 250 255
 Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
 260 265 270
 Gly Lys Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr
 275 280 285

Ser Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly
290 295 300

Gln Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln
305 310 315 320

Ser Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly
325 330 335

Asn Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys
340 345 350

Ala Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val
355 360 365

Ser Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly
370 375 380

Ser Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu
385 390 395 400

Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
405 410

<210> 105
<211> 383
<212> PRT
<213> Homo sapiens

<400> 105
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

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

Gly Ile Gly Asp Thr Pro Ser Leu Glu Asp Glu Ala Ala Gly His Val
50 55 60

Thr Gln Ala Arg Met Val Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp
65 70 75 80

Asp Lys Lys Ala Lys Gly Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro
85 90 95

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

Ile Pro Ala Lys Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly
115 120 125

Glu Pro Pro Lys Ser Gly Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser
 130 135 140
 Pro Gly Thr Pro Gly Ser Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro
 145 150 155 160
 Pro Thr Arg Glu Pro Lys Lys Val Ala Val Val Arg Thr Pro Pro Lys
 165 170 175
 Ser Pro Ser Ser Ala Lys Ser Arg Leu Gln Thr Ala Pro Val Pro Met
 180 185 190
 Pro Asp Leu Lys Asn Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu
 195 200 205
 Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys Lys Leu
 210 215 220
 Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys
 225 230 235 240
 His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro Val Asp
 245 250 255
 Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His His
 260 265 270
 Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu Asp Phe
 275 280 285
 Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile Thr His
 290 295 300
 Val Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr His Lys Leu Thr Phe
 305 310 315 320
 Arg Glu Asn Ala Lys Ala Lys Thr Asp His Gly Ala Glu Ile Val Tyr
 325 330 335
 Lys Ser Pro Val Val Ser Gly Asp Thr Ser Pro Arg His Leu Ser Asn
 340 345 350
 Val Ser Ser Thr Gly Ser Ile Asp Met Val Asp Ser Pro Gln Leu Ala
 355 360 365
 Thr Leu Ala Asp Glu Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
 370 375 380

<210> 106
 <211> 381
 <212> PRT

<213> Homo sapiens

<400> 106

Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Ala Glu Glu Ala Gly Ile Gly
65 70 75 80

Asp Thr Pro Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala
85 90 95

Arg Met Val Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys
100 105 110

Ala Lys Gly Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala
115 120 125

Ala Pro Pro Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala
130 135 140

Lys Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro
145 150 155 160

Lys Ser Gly Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr
165 170 175

Pro Gly Ser Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg
180 185 190

Glu Pro Lys Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser
195 200 205

Ser Ala Lys Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu
210 215 220

Lys Asn Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln
225 230 235 240

Pro Gly Gly Gly Lys Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser
245 250 255

Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro
260 265 270

Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp
275 280 285

Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro
290 295 300

Gly Gly Gly Asn Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu
305 310 315 320

Asn Ala Lys Ala Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser
325 330 335

Pro Val Val Ser Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser
340 345 350

Ser Thr Gly Ser Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu
355 360 365

Ala Asp Glu Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
370 375 380

<210> 107

<211> 352

<212> PRT

<213> Homo sapiens

<400> 107

Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

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

Gly Ile Gly Asp Thr Pro Ser Leu Glu Asp Glu Ala Ala Gly His Val
50 55 60

Thr Gln Ala Arg Met Val Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp
65 70 75 80

Asp Lys Lys Ala Lys Gly Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro
85 90 95

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

Ile Pro Ala Lys Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly
115 120 125

Glu Pro Pro Lys Ser Gly Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser

130		135		140
Pro 145	Gly Thr Pro Gly	Ser 150	Arg Ser Arg Thr	Pro 155 Ser Leu Pro Thr Pro 160
Pro Thr Arg Glu	Pro 165 Lys Lys Val Ala Val	Val 170	Arg Thr Pro Pro Lys	175
Ser Pro Ser Ser	Ala 180 Lys Ser Arg Leu	Gln Thr Ala Pro Val	Pro Met	190
Pro Asp Leu 195	Lys Asn Val Lys Ser 200	Lys Ile Gly Ser Thr 205	Glu Asn Leu	
Lys His 210	Gln Pro Gly Gly 215	Lys Val Gln Ile Val 220	Tyr Lys Pro Val	
Asp 225	Leu Ser Lys Val Thr 230	Ser Lys Cys Gly Ser 235	Leu Gly Asn Ile His 240	
His Lys Pro Gly	Gly 245 Gly Gln Val Glu Val	Lys 250 Ser Glu Lys Leu Asp	255	
Phe Lys Asp	Arg 260 Val Gln Ser Lys Ile 265	Gly Ser Leu Asp Asn Ile Thr	270	
His Val Pro 275	Gly Gly Gly Asn Lys 280	Lys Ile Glu Thr His 285	Lys Leu Thr	
Phe Arg 290	Glu Asn Ala Lys Ala 295	Lys Thr Asp His Gly 300	Ala Glu Ile Val	
Tyr 305	Lys Ser Pro Val Val 310	Ser Gly Asp Thr Ser 315	Pro Arg His Leu Ser 320	
Asn Val Ser Ser	Thr 325 Gly Ser Ile Asp Met 330	Val Asp Ser Pro Gln Leu	335	
Ala Thr Leu	Ala 340 Asp Glu Val Ser Ala 345	Ser Leu Ala Lys Gln Gly Leu	350	

<210> 108
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 108
 Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser
 1 5 10

<210> 109
<211> 29
<212> PRT
<213> Homo sapiens

<400> 109
Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His
1 5 10 15

His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu
20 25

<210> 110
<211> 30
<212> PRT
<213> Homo sapiens

<400> 110
Ser Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly
1 5 10 15

Gly Asn Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn
20 25 30

<210> 111
<211> 12
<212> PRT
<213> Homo sapiens

<400> 111
Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
1 5 10

<210> 112
<211> 12
<212> PRT
<213> Homo sapiens

<400> 112
Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
1 5 10

<210> 113
<211> 8
<212> PRT
<213> Homo sapiens

<400> 113
Lys Val Gln Ile Ile Asn Lys Lys
1 5

<210> 114
<211> 29
<212> PRT
<213> Homo sapiens

<400> 114
Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
1 5 10 15

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu

<210> 115
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 115
 Val Gln Ile Val Tyr Lys
 1 5

<210> 116
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 116
 Val Gln Ile Ile Asn Lys
 1 5

<210> 117
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 117
 Gln Ser Leu Leu Asn Ser Arg Thr Arg Lys Asn Tyr
 1 5 10

<210> 118
 <211> 3
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 118
 Trp Ala Ser
 1

<210> 119
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 119
 Lys Gln Ser Phe Tyr Leu Arg Thr
 1 5

<210> 120
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 120
Gly Tyr Ile Phe Thr Asp Tyr Val Ile Ser
1 5 10

<210> 121
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 121
Ile Phe Pro Arg Ser Gly Ser Thr
1 5

<210> 122
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 122
Ala Arg Asp Tyr Tyr Gly Thr Ser Phe Ala Met Asp Tyr
1 5 10

<210> 123
<211> 13
<212> PRT
<213> Influenza A virus

<400> 123
Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr
1 5 10

<210> 124
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Any amino acid

<400> 124
Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
1 5 10

<210> 125

<211> 16
<212> PRT
<213> Plasmodium falciparum

<400> 125
Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn Val
1 5 10 15

<210> 126
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 126
Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile
1 5 10

<210> 127
<211> 19
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: Heat Shock
protein 65

<400> 127
Asp Gln Ser Ile Gly Asp Leu Leu Ala Glu Ala Met Asp Lys Val Gly
1 5 10 15

Asn Glu Gly

<210> 128
<211> 14
<212> PRT
<213> Mycobacterium bovis

<400> 128
Gln Val His Phe Gln Pro Leu Pro Pro Ala Val Val Lys Leu
1 5 10

<210> 129
<211> 15
<212> PRT
<213> Clostridium tetani

<400> 129
Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu
1 5 10 15

<210> 130
<211> 21
<212> PRT
<213> Clostridium tetani

<400> 130
Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
1 5 10 15

Ala Ser His Leu Glu
20

<210> 131
 <211> 16
 <212> PRT
 <213> Human immunodeficiency virus

 <400> 131
 Lys Gln Ile Ile Asn Met Trp Gln Glu Val Gly Lys Ala Met Tyr Ala
 1 5 10 15

<210> 132
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 132
 acattgtgat gtcacagtct ccatcctcc 29

<210> 133
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 133
 ctctccaat tgcagcagtc tgg 23

<210> 134
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 134
 Asp Ile Val Met Ser Gln Ser Pro Ser Ser
 1 5 10

<210> 135
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 135
 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu
 1 5 10

<210> 136
 <211> 30
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 136

ggaattcgtt gaagctcttg acaatgggtg

30

<210> 137

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 137

ggaattcaca tatgcaaggc ttacaaccac

30

<210> 138

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 138

Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Thr
1 5 10 15

Ser Val Lys Met Pro Cys Lys Ala Ser Gly Tyr Ile Phe Thr Asp Tyr
20 25 30

Val Ile Ser Trp Val Lys Gln Arg Thr Gly Gln Gly Leu Glu Trp Ile
35 40 45

Gly Glu Ile Phe Pro Arg Ser Gly Ser Thr Tyr Tyr Asn Glu Lys Phe
50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Asn Thr Ala Tyr
65 70 75 80

Met Gln Leu Ser Ser Val Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
85 90 95

Ala Arg Asp Tyr Tyr Gly Thr Ser Phe Ala Met Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Ser Val Thr Val Ser Ser
115 120

<210> 139

<211> 120

<212> PRT

<213> Homo sapiens

<400> 139

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Ile Leu Gly Ile Ala Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Asn His Cys Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 140

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 140

Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Pro Cys Lys Ala Ser Gly Tyr Ile Phe Thr Asp Tyr
20 25 30

Val Ile Ser Trp Val Arg Gln Ala Thr Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Glu Ile Phe Pro Arg Ser Gly Ser Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Tyr Tyr Gly Thr Ser Phe Ala Met Asp Tyr Trp Gly Gln
Page 37

100

105

110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 141

<211> 112

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 141

Asp Ile Val Met Ser Gln Ser Pro Ser Ser Leu Ala Val Ser Ala Gly
1 5 10 15

Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser
20 25 30

Arg Thr Arg Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Lys Gln
85 90 95

Ser Phe Tyr Leu Arg Thr Phe Gly Gly Gly Thr Lys Leu Asp Ile Lys
100 105 110

<210> 142

<211> 112

<212> PRT

<213> Homo sapiens

<400> 142

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
20 25 30

Ser Asn Asn Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Ser Thr Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 143

<211> 112

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 143

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser
20 25 30

Arg Thr Arg Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Lys Gln
85 90 95

Ser Phe Tyr Leu Arg Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 144

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 144

Ala Asn Ile Lys His Val Pro Gly Gly Gly Ser
1 5 10

<210> 145

<211> 120

<212> PRT

<213> Mus sp.

<400> 145

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg Pro Gly Ala
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1	5	10	15												
Ser	Val	Lys	Leu	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Gly	Ile	Ser	Trp	Val	Lys	Gln	Arg	Thr	Gly	Gln	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Glu	Ile	Tyr	Pro	Arg	Ser	Gly	Asn	Thr	Tyr	Tyr	Asn	Glu	Lys	Phe
	50					55					60				
Lys	Gly	Lys	Ala	Thr	Leu	Thr	Ala	Asp	Lys	Ser	Ser	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Arg	Ser	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val	Tyr	Phe	Cys
				85					90					95	
Ala	Arg	Asp	Tyr	Tyr	Gly	Thr	Tyr	Tyr	Ala	Met	Asp	Tyr	Trp	Gly	Gln
			100					105					110		
Gly	Thr	Ser	Val	Thr	Val	Ser	Ser								
		115					120								

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<210> 146
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<223> Description of Artificial Sequence: Synthetic
      peptide
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<400> 146
Asp Ala Ile Lys His Val Pro Gly Gly Gly Ser
1 5 10

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<210> 147
<211> 120
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<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide
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<400> 147
Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Val Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Met Pro Cys Lys Ala Ser Gly Tyr Ile Phe Ser Asp Tyr

Ala Ile Ser Trp Val Arg Gln Arg Thr Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Glu Ile Phe Pro Arg Ser Gly Ser Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Tyr Tyr Gly Thr Ser Tyr Gly Met Asp Val Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 148

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 148

Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Val Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Met Pro Cys Lys Ala Ser Gly Tyr Ile Phe Ser Asp Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Arg Thr Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Glu Ile Phe Pro Arg Ser Gly Ser Thr Tyr Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Asn Thr Ala Tyr
65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Tyr Tyr Gly Thr Ser Tyr Gly Met Asp Val Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 149

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 149
Asp Asn Ala Lys His Val Pro Gly Gly Gly Ser
1 5 10

<210> 150
<211> 112
<212> PRT
<213> Mus sp.

<400> 150
Asp Ile Val Met Ser Gln Ser Pro Ser Ser Leu Ala Val Ser Ala Gly
1 5 10 15

Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser
20 25 30

Arg Thr Arg Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Lys Gln
85 90 95

Ser Tyr Asn Leu Arg Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 151
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 151
Asp Asn Ile Ala His Val Pro Gly Gly Gly Ser
1 5 10

<210> 152
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 152
Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Asn Ser
20 25 30

Arg Asn Asn Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Lys Gln
85 90 95

Ser Phe Tyr Leu Arg Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 153

<211> 112

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 153

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Ser Cys Lys Ser Ser Gln Ser Val Leu Asn Ser
20 25 30

Arg Asn Asn Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Lys Gln
85 90 95

Ser Phe Tyr Leu Arg Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 154

<211> 6

<212> PRT

<213> Homo sapiens

<400> 154

His Val Pro Gly Gly Gly
1 5

<210> 155
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic primer

 <400> 155
 atattaccat ggacattgtg atgtcacag 29

 <210> 156
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic primer

 <400> 156
 atattattct cgagggagac ggtgactgag gt 32

 <210> 157
 <211> 51
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic primer

 <400> 157
 ggcggcggcg gctccggtgg tgggtggttc atgcagggtcc aattgcagca g 51

 <210> 158
 <211> 69
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic primer

 <400> 158
 ggagccgccg ccgccagaac caccaccacc agaaccacca ccaccccggt tgatgtccag 60
 cttggtgcc 69

 <210> 159
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 159
 Asp Asn Ile Lys Ala Val Pro Gly Gly Gly Ser
 1 5 10

<210> 160
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 160
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
1 5 10 15

Tyr

<210> 161
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 161
Asp Asn Ile Lys His Ala Pro Gly Gly Gly Ser
1 5 10

<210> 162
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 162
Trp Val Lys Gln Arg Thr Gly Gln Gly Leu Glu Trp Ile Gly Glu
1 5 10 15

<210> 163
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic 6xHis tag

<400> 163
His His His His His His
1 5

<210> 164
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> Any amino acid

 <400> 164
 His Xaa Pro Gly Gly Gly
 1 5

<210> 165
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 165
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 atgagctgca aatccagtca gagtctgctc aacagtagaa cccgaaagaa ctacctggct 120
 tggtagcagc agaaaccagg gcagtctcct aaactgctga tctactgggc atccactagg 180
 gaatctgggg tccctgatcg cttcacaggc agtggatctg ggacagattt cactctcacc 240
 atcagcagtg tgcaggctga agacctggca gtttattact gcaagcaatc tttttatctt 300
 cggacgttcg gtggaggcac caagctggac atcaaa 336

<210> 166
 <211> 301
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 166
 gacattgtga tgtcacagtc tccatcctcc ctggctgtgt cagcaggaga gaaggtcact 60
 atgagctgca aatccagtca gagtctgctc aacagtagaa cccgaaagaa ctacctggct 120
 tggtagcagc agaaaccagg gcagtctcct aaactgctga tctactgggc atccactagg 180
 gaatctgggg tccctgatcg cttcacaggc agtggatctg ggacagattt cactctcacc 240
 atcagcagtg tgcaggctga agacctggca gtttattact gcaagcaatc tttttatctt 300
 c 301

<210> 167
 <211> 301
 <212> DNA
 <213> Mus sp.

<400> 167
 gacattgtga tgtcacagtc tccatcctcc ctggctgtgt cagcaggaga gaaggtcact 60
 atgagctgca aatccagtca gagtctgctc aacagtagaa cccgaaagaa ctacttggct 120
 tggtagcagc agaaaccagg gcagtctcct aaactgctga tctactgggc atccactagg 180

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 172

caggtccaat tgcagcagtc tggacctgag ctggtgaagc ctgggacttc agtgaagatg	60
ccctgtaagg cttctggata catattcact gactatgtca taagctgggt gaagcagaga	120
actggacagg gccttgagtg gattggagag atttttccta gaagtggtag tacttactac	180
aatgagaagt tcaagggcaa ggccacactg actgcagaca aatcctccaa cacagcctac	240
atgcagctca gcagcgtgac atctgaggac tctgcggtct atttctgtgc aaga	294

<210> 173

<211> 294

<212> DNA

<213> Mus sp.

<400> 173

caggttcagc tgcagcagtc tggagctgag ctggcgaggc ctggggcttc agtgaagctg	60
tcctgcaagg cttctggcta caccttcaca agctatggta taagctgggt gaagcagaga	120
actggacagg gccttgagtg gattggagag atttatccta gaagtggtaa tacttactac	180
aatgagaagt tcaagggcaa ggccacactg actgcagaca aatcctccag cacagcgtac	240
atggagctcc gcagcctgac atctgaggac tctgcggtct atttctgtgc aaga	294

<210> 174

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 174

gattactacg gtac	14
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<210> 175

<211> 15

<212> DNA

<213> Mus sp.

<400> 175

gactactata ggtac	15
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<210> 176

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 176

ttcatttgct atggactact ggggtcaagg aacctcagtc accgtctcct cag	53
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<210> 177
 <211> 53
 <212> DNA
 <213> Mus sp.

 <400> 177
 ttactatgct atggactact ggggtcaagg aacctcagtc accgtctcct cag 53

 <210> 178
 <211> 267
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

 <400> 178
 gggctgatgc tgcaccaact gtatccatct tcccaccatc cagtgcagcag ttaacatctg 60
 gaggtgcctc agtcgtgtgc ttcttgaaca acttctaccc caaagacatc aatgtcaggt 120
 ggaagattga tggcagtga cgcacaaaatg gcgtcctgaa cagttggact gatcaggaca 180
 gcaaagacag cacctacagc atgagcagca ccctcacgtt gaccaaggac gagtatgaac 240
 gacataacag ctatacctgt gaggcca 267

 <210> 179
 <211> 276
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

 <400> 179
 ccaaaacgac acccccatct gtctatccac tggcccctgg atctgctgcc caaactaact 60
 ccatggtgac cctgggatgc ctggtcaagg gctatttccc tgagccagtg acagtgcact 120
 ggaactctgg atccctgtcc agcgggtgtgc acaccttccc agctgtcctg cagtctgacc 180
 tctacactct gagcagctca gtgactgtcc cctccagcac ctggcccagc gagaccgtca 240
 cctgcaacgt tgcccaccg gccagcagca ccaagg 276

 <210> 180
 <211> 305
 <212> DNA
 <213> Homo sapiens

 <400> 180
 gacatcgtga tgaccagtc tccagactcc ctggctgtgt ctctgggcga gagggccacc 60
 atcaactgca agtccagcca gagtgtttta tacagctcca acaataagaa ctacttagct 120
 tgggtaccagc agaaaccagg acagcctcct aagctgtcga ttactgggc atctaccg 180
 gaatccgggg tccctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
 atcagcagcc tgcaggctga agatgtggca gtttattact gtcagcaata ttatagtact 300
 cctcc 305

<210> 181
 <211> 38
 <212> DNA
 <213> Homo sapiens

 <400> 181
 gtggacgttc ggccaaggga ccaaggtgga aatcaaac 38

 <210> 182
 <211> 296
 <212> DNA
 <213> Homo sapiens

 <400> 182
 caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc agtgaaggtc 60
 tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
 cctggacaag ggcttgagt gatgggaggg atcatcccta tccttggtat agcaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

 <210> 183
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <400> 183
 ctgagctgag aaccactgtg ctaactgggg acacagtgat tggcagctct a 51

 <210> 184
 <211> 8
 <212> PRT
 <213> Homo sapiens

 <400> 184
 Cys Thr His Val Pro Gly Gly Gly
 1 5

 <210> 185
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <400> 185
 tgatgctttt gatgtctggg gccaaaggac aatggtcacc gtctcttcag 50

 <210> 186
 <211> 357
 <212> PRT
 <213> Homo sapiens

 <400> 186
 Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
 1 5 10 15

 Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
 20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
100 105 110

Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
115 120 125

Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
130 135 140

Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
145 150 155 160

Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
165 170 175

Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
180 185 190

Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
195 200 205

Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
210 215 220

Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
225 230 235 240

Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
245 250 255

Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
260 265 270

Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
275 280 285

Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
290 295 300

Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
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305 310 315 320
 Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
 325 330 335
 Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
 340 345 350
 Lys Ile Gly Ser Leu
 355
 <210> 187
 <211> 235
 <212> PRT
 <213> Homo sapiens
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 Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
 1 5 10 15
 Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
 20 25 30
 Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
 35 40 45
 Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
 50 55 60
 Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
 65 70 75 80
 Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
 85 90 95
 Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
 100 105 110
 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
 115 120 125
 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
 130 135 140
 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
 145 150 155 160
 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
 165 170 175
 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
 180 185 190

Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
195 200 205

Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Leu Ala Asp
210 215 220

Glu Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
225 230 235

<210> 188
<211> 346
<212> PRT
<213> Homo sapiens

<400> 188
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
100 105 110

Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
115 120 125

Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
130 135 140

Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
145 150 155 160

Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
165 170 175

Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
180 185 190

Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
195 200 205

Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
210 215 220

Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
225 230 235 240

Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
245 250 255

Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
260 265 270

Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
275 280 285

Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
290 295 300

Ser Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly
305 310 315 320

Ser Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu
325 330 335

Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
340 345

<210> 189
<211> 420
<212> PRT
<213> Homo sapiens

<400> 189
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
100 105 110

Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
 115 120 125

Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
 130 135 140

Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
 145 150 155 160

Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
 165 170 175

Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
 180 185 190

Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
 195 200 205

Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
 210 215 220

Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
 225 230 235 240

Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
 245 250 255

Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
 260 265 270

Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
 275 280 285

Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
 290 295 300

Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
 305 310 315 320

Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
 325 330 335

Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
 340 345 350

Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
 355 360 365

Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala
 370 375 380

Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser
385 390 395 400

Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
405 410 415

Ile Asp Met Val
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<210> 190
<211> 227
<212> PRT
<213> Homo sapiens

<400> 190
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1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
100 105 110

Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
115 120 125

Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
130 135 140

Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
145 150 155 160

Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
165 170 175

Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
180 185 190

Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
195 200 205

Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
210 215 220

Lys Val Ala
225

<210> 191
<211> 428
<212> PRT
<213> Homo sapiens

<400> 191
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
100 105 110

Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
115 120 125

Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
130 135 140

Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
145 150 155 160

Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
165 170 175

Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
180 185 190

Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
195 200 205

Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
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210		215		220
Lys 225	Val	Ala	Val	Val
	Arg 230	Thr	Pro	Pro
		Lys	Ser 235	Pro
			Ser	Ser
			Ala	Lys 240
Ser	Arg	Leu	Gln	Thr 245
		Ala	Pro	Val
		Pro	Met 250	Pro
		Asp	Leu	Lys
			Asn 255	Val
Lys	Ser	Lys	Ile 260	Gly
		Ser	Thr	Glu
		Asn 265	Leu	Lys
		His	Gln	Pro 270
			Gly	Gly
Gly	Lys	Val 275	Gln	Ile
		Ile	Asn	Lys 280
		Lys	Leu	Asp
		Leu	Ser 285	Asn
		Val	Gln	
Ser	Lys 290	Cys	Gly	Ser
		Lys	Asp 295	Asn
		Ile	Lys	His
		Val 300	Asp	Leu
		Ser	Lys	
Val 305	Thr	Ser	Lys	Cys
		Gly 310	Ser	Leu
		Gly	Asn	Ile 315
		His	His	Lys
		Pro	Gly 320	
Gly	Gly	Gln	Val	Glu
		Val 325	Lys	Ser
		Glu	Lys 330	Leu
		Asp	Phe	Lys
		Asp 335	Arg	
Val	Gln	Ser	Lys 340	Ile
		Gly	Ser	Leu
		Asp 345	Asn	Ile
		Thr	His	Val 350
		Pro	Gly	
Gly	Gly	Asn 355	Lys	Lys
		Ile	Glu	Thr 360
		His	Lys	Leu
		Thr 365	Arg	Glu
		Asn		
Ala	Lys 370	Ala	Lys	Thr
		Asp	His 375	Gly
		Ala	Glu	Ile
		Val 380	Tyr	Lys
		Ser	Pro	
Val 385	Val	Ser	Gly	Asp
		Thr 390	Ser	Pro
		Arg	His	Leu 395
		Ser	Asn	Val
		Ser		Ser 400
Thr	Gly	Ser	Ile	Asp 405
		Met	Val	Asp
		Ser	Pro 410	Gln
		Leu	Ala	Thr
		Leu 415	Ala	
Asp	Glu	Val	Ser 420	Ala
		Ser	Leu	Ala
		Lys 425	Gln	Gly
		Leu		
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<211>	297			
<212>	PRT			
<213>	Homo sapiens			
<400>	192			
Met	Ala	Glu	Pro	Arg
1		Gln	Glu	Phe
	5	Glu	Val	Met
		10	Glu	Asp
			His	Ala
			Gly	15
Thr	Tyr	Gly	Leu	Gly
		Asp	Arg	Lys
		20	Asp 25	Gln
			Gly	Gly
			Tyr	Thr
			30	Met
			His	

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
 35 40 45
 Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
 50 55 60
 Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
 65 70 75 80
 Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
 85 90 95
 Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
 100 105 110
 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
 115 120 125
 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
 130 135 140
 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
 145 150 155 160
 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
 165 170 175
 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
 180 185 190
 Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
 195 200 205
 Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
 210 215 220
 Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
 225 230 235 240
 Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
 245 250 255
 Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
 260 265 270
 Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val
 275 280 285
 Ser Ala Ser Leu Ala Lys Gln Gly Leu
 290 295

<210> 193

<211> 136
<212> PRT
<213> Homo sapiens

<400> 193
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
100 105 110

Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
115 120 125

Ser Lys Ser Lys Asp Gly Thr Gly
130 135

<210> 194
<211> 282
<212> PRT
<213> Homo sapiens

<400> 194
Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
50 55 60

Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
65 70 75 80

Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
85 90 95

Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
100 105 110

Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
115 120 125

Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
130 135 140

Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
145 150 155 160

Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
165 170 175

Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
180 185 190

Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
195 200 205

Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
210 215 220

Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
225 230 235 240

Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
245 250 255

Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
260 265 270

Gly Lys Val Gln Ile Ile Asn Lys Lys Leu
275 280

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<212> PRT
<213> Homo sapiens

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Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly
1 5 10 15

Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
20 25 30

Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
35 40 45

Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
Page 61

50

55

60

Asp 65 Ala Lys Ser Thr Pro 70 Thr Ala Glu Asp 75 Val Thr Ala Pro Leu 80 Val

Asp Glu Gly Ala Pro 85 Gly Lys Gln Ala 90 Ala Ala Gln Pro His 95 Thr Glu

Ile Pro Glu Gly 100 Thr Thr Ala Glu 105 Glu Ala Gly Ile Gly 110 Asp Thr Pro

Ser Leu Glu 115 Asp Glu Ala Ala 120 Gly His Val Thr Gln 125 Ala Arg Met Val

Ser Lys 130 Ser Lys Asp Thr Arg 135 Ile Pro Ala Lys 140 Thr Pro Pro Ala Pro

Lys 145 Thr Pro Pro Ser Ser 150 Gly Glu Pro Pro Lys 155 Ser Gly Asp Arg Ser 160

Gly Tyr Ser Ser Pro 165 Gly Ser Pro Gly 170 Thr Pro Gly Ser Arg Ser 175 Arg

Thr Pro Ser Leu 180 Pro Thr Pro Pro 185 Thr Arg Glu Pro Lys 190 Lys Val Ala

Val Val Arg 195 Thr Pro Pro Lys Ser 200 Pro Ser Ser Ala Lys 205 Ser Arg Leu

Gln Thr 210 Ala Pro Val Pro Met 215 Pro Asp Leu Lys Asn 220 Val Lys Ser Lys

Ile 225 Gly Ser Thr Glu Asn 230 Leu Lys His Gln Pro 235 Gly Gly Gly Lys Val 240

Gln Ile Ile Asn Lys 245 Lys Leu Asp Leu Ser 250 Asn Val Gln Ser Lys 255 Cys

Gly Ser Lys Asp 260 Asn Ile Lys His Val 265 Pro Gly Gly Gly Ser 270 Val Gln

Ile Val Tyr 275 Lys Pro Val Asp Leu Ser 280 Lys Val Thr Ser 285 Lys Cys Gly

Ser Leu 290 Gly Asn Ile His 295 His Lys Pro Gly Gly Gly 300 Gln Val Glu Val

Lys 305 Ser Glu Lys Leu Asp 310 Phe Lys Asp Arg Val 315 Gln Ser Lys Ile Gly 320

Ser Leu Asp Asn Ile 325 Thr His Val Pro Gly 330 Gly Gly Gly Asn Lys Lys 335 Ile

Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr Asp
340 345 350

His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser Gly Asp Thr
355 360 365

Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser Ile Asp Met
370 375 380

Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val Ser Ala Ser
385 390 395 400

Leu Ala Lys Gln Gly Leu
405

<210> 196

<211> 222

<212> PRT

<213> Homo sapiens

<400> 196

Met Arg Glu Pro Lys Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser
1 5 10 15

Pro Ser Ser Ala Lys Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro
20 25 30

Asp Leu Lys Asn Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys
35 40 45

His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp
50 55 60

Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His
65 70 75 80

Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu
85 90 95

Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His His Lys
100 105 110

Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys
115 120 125

Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val
130 135 140

Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg
145 150 155 160

Glu Asn Ala Lys Ala Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys

165 170 175
 Ser Pro Val Val Ser Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val
 180 185 190
 Ser Ser Thr Gly Ser Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr
 195 200 205
 Leu Ala Asp Glu Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
 210 215 220
 <210> 197
 <211> 315
 <212> PRT
 <213> Homo sapiens
 <400> 197
 Met Val Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala
 1 5 10 15
 Lys Gly Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala
 20 25 30
 Pro Pro Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys
 35 40 45
 Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys
 50 55 60
 Ser Gly Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro
 65 70 75 80
 Gly Ser Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Thr Arg Glu
 85 90 95
 Pro Lys Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser
 100 105 110
 Ala Lys Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys
 115 120 125
 Asn Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro
 130 135 140
 Gly Gly Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn
 145 150 155 160
 Val Gln Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly
 165 170 175
 Gly Gly Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val
 180 185 190

Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly
195 200 205

Gly Gln Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val
210 215 220

Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly
225 230 235 240

Gly Asn Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala
245 250 255

Lys Ala Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val
260 265 270

Val Ser Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr
275 280 285

Gly Ser Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp
290 295 300

Glu Val Ser Ala Ser Leu Ala Lys Gln Gly Leu
305 310 315

<210> 198

<211> 96

<212> PRT

<213> Homo sapiens

<400> 198

Met Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys
1 5 10 15

Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn
20 25 30

Ile His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys
35 40 45

Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn
50 55 60

Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr His Lys
65 70 75 80

Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr Asp His Gly Ala Glu
85 90 95

<210> 199

<211> 242

<212> PRT

<213> Homo sapiens

<400> 199

Met Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro Gly Gln Lys Gly Gln
Page 65

1 5 10 15
 Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro Pro Ala Pro Lys Thr
 20 25 30
 Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly Asp Arg Ser Gly Tyr
 35 40 45
 Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser Arg Ser Arg Thr Pro
 50 55 60
 Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys Lys Val Ala Val Val
 65 70 75 80
 Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys Ser Arg Leu Gln Thr
 85 90 95
 Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val Lys Ser Lys Ile Gly
 100 105 110
 Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile
 115 120 125
 Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser
 130 135 140
 Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val
 145 150 155 160
 Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu
 165 170 175
 Gly Asn Ile His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser
 180 185 190
 Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu
 195 200 205
 Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu Thr
 210 215 220
 His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala Lys Thr Asp His Gly
 225 230 235 240

Ala Glu

<210> 200
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 <212> PRT
 <213> Homo sapiens
 <400> 200

Asn Ile Lys Ala Val Pro Gly Gly Gly Ser
1 5 10

<210> 201
<211> 10
<212> PRT
<213> Homo sapiens

<400> 201
Asn Ile Lys His Val Pro Gly Gly Gly Ser
1 5 10

<210> 202
<211> 9
<212> PRT
<213> Homo sapiens

<400> 202
Ile Lys His Val Pro Gly Gly Gly Ser
1 5

<210> 203
<211> 9
<212> PRT
<213> Homo sapiens

<400> 203
Lys His Val Pro Gly Gly Gly Ser Val
1 5

<210> 204
<211> 9
<212> PRT
<213> Homo sapiens

<400> 204
His Val Pro Gly Gly Gly Ser Val Gln
1 5

<210> 205
<211> 8
<212> PRT
<213> Homo sapiens

<400> 205
Val Pro Gly Gly Gly Ser Val Gln
1 5

<210> 206
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 206
Lys Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn
1 5 10 15

Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro
Page 67

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<210> 207
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<400> 207
 Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly
 1 5 10 15

Gly Gly Lys Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser
 20 25 30

<210> 208
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> phospho-Ser

<400> 208
 Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly
 1 5 10 15

Gly Gly Lys Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser
 20 25 30

<210> 209
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 209
 Cys Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro
 1 5 10 15
 Gly Gly Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser
 20 25 30

<210> 210
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<220>
 <221> MOD_RES

<222> (7)..(7)
<223> phospho-Ser

<400> 210
Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly
1 5 10 15

Gly Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser
20 25 30

<210> 211
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 211
Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys
1 5 10 15

Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr
20 25 30

<210> 212
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MOD_RES
<222> (4)..(4)
<223> phospho-Ser

<400> 212
Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys
1 5 10 15

Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr
20 25 30

<210> 213
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 213
Cys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln Ser
1 5 10 15

Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
Page 69

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<210> 214
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> phospho-Ser

<400> 214
 Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys
 1 5 10 15

Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
 20 25 30

<210> 215
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<400> 215
 Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser
 1 5 10 15

Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val
 20 25 30

<210> 216
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<400> 216
 Cys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly Asp Arg Ser
 1 5 10 15

Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser Arg Ser
 20 25 30

<210> 217
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 217

Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Val Tyr
1 5 10 15

Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser
20 25 30

<210> 218

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 218

Cys Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser
1 5 10

<210> 219

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 219

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
1 5 10 15

Ile Lys His Val Pro Gly Gly Gly Ser
20 25

<210> 220

<211> 8

<212> PRT

<213> Homo sapiens

<400> 220

Cys His His Lys Pro Gly Gly Gly
1 5

<210> 221

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 221

Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser Val
1 5 10 15

Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
20 25 30

<210> 222
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 222
Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser
1 5 10 15

Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His His
20 25 30

<210> 223
<211> 6
<212> PRT
<213> Homo sapiens

<400> 223
His Gln Pro Gly Gly Gly
1 5

<210> 224
<211> 6
<212> PRT
<213> Homo sapiens

<400> 224
His Lys Pro Gly Gly Gly
1 5

<210> 225
<211> 104
<212> PRT
<213> Homo sapiens

<400> 225
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 226
<211> 104
<212> PRT
<213> Pan sp.

<400> 226
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 227
<211> 104
<212> PRT
<213> Macaca sp.

<400> 227
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Ser
100

<210> 228
<211> 104
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: Gibbon
tau polypeptide

<400> 228
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 229
<211> 104
<212> PRT
<213> Pongo sp.

<400> 229
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
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85

90

95

Thr His Val Pro Gly Gly Gly His
100

<210> 230

<211> 104

<212> PRT

<213> Ailuropoda melano-leuca

<400> 230

Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 231

<211> 104

<212> PRT

<213> Sus sp.

<400> 231

Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 232
<211> 104
<212> PRT
<213> Equus sp.

<400> 232
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly His
100

<210> 233
<211> 104
<212> PRT
<213> Canis lupus

<400> 233
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 234
<211> 104
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: Rabbit
tau polypeptide

<400> 234
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 235
<211> 104
<212> PRT
<213> Rattus sp.

<400> 235
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 236
<211> 104
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: vole
tau polypeptide

<400> 236
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 237
<211> 104
<212> PRT
<213> Mus sp.

<400> 237
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
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His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Thr His Val Pro Gly Gly Gly Asn
100

<210> 240
<211> 104
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: Fowl
tau polypeptide

<400> 240
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Phe Ser Ser Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Ile Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser His Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Lys Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Ser His Val Pro Gly Gly Gly Asn
100

<210> 241
<211> 104
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: Finch
tau polypeptide

<400> 241
Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn Lys
1 5 10 15

Lys Leu Asp Phe Ser Ser Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Ile Lys His Ile Pro Gly Gly Gly Ser Val Gln Ile Val Tyr Lys Pro
35 40 45

Val Asp Leu Ser His Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Asp Lys Val Gln Ser Lys Ile Gly Ser Leu Asp Asn Ile
85 90 95

Ser His Val Pro Gly Gly Gly Asn
100

<210> 242
<211> 102
<212> PRT
<213> Danio rerio

<400> 242
Asn Ile Lys His Ala Pro Gly Gly Gly Asn Val Gln Ile Leu Asp Gln
1 5 10 15

Lys Leu Asp Leu Thr Asn Val Gln Ala Arg Cys Gly Ser Lys Asp Asn
20 25 30

Leu Lys His Val Pro Gly Gly Gly Lys Val Gln Ile Leu His Lys Lys
35 40 45

Ile Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn Leu
50 55 60

Arg His Lys Pro Gly Gly Gly Asn Ile Glu Ile Arg Ser Glu Lys Leu
65 70 75 80

Asp Phe Lys Ala Gln Ser Lys Ile Gly Ser Met Asp Asn Ile Lys His
85 90 95

Thr Pro Gly Gly Gly Asn
100

<210> 243
<211> 103
<212> PRT
<213> Xenopus laevis

<400> 243
Asn Ile Arg His Gln Pro Gly Gly Gly Lys Val Gln Ile Val His Lys
1 5 10 15

Lys Val Asp Leu Gly Asn Val Gln Ser Lys Cys Gly Ser Lys Asp Asn
20 25 30

Leu Lys His Val Pro Gly Gly Gly Ala Ile Gln Ile Thr His Lys Pro
35 40 45

Ile Asp Leu Thr Arg Val Thr Ser Lys Cys Gly Ser Phe Val Asn Ile
50 55 60

His His Lys Pro Gly Gly Gly Asn Val Glu Leu Lys Ser Glu Lys Leu
65 70 75 80

Glu Phe Asp Lys Ile Gln Ser Lys Ile Gly Ser Leu Asp Asn Val Thr
85 90 95

His Val Pro Gly Gly Gly Ala
100

<210> 244
<211> 101
<212> PRT
<213> Drosophila sp.

<400> 244
Asn Ala Thr Tyr Lys Pro Gly Gly Gly His Val Lys Ile Glu Ser Lys
1 5 10 15

Lys Ile Asp Ile Lys Ala Ala Pro Arg Ile Glu Ala Lys Asn Asp Lys
20 25 30

Tyr Met Pro Lys Gly Gly Glu Lys Lys Ile Val Thr Thr Lys Leu Gln
35 40 45

Trp Asn Ala Lys Ser Lys Ile Gly Ser Leu Glu Asn Ala Ala His Lys
50 55 60

Pro Gly Gly Gly Asp Lys Lys Ile Glu Thr Leu Lys Met Asp Phe Lys
65 70 75 80

Asp Lys Ala Lys Pro Lys Val Gly Ser Thr Ala Asn Val Lys His Gln
85 90 95

Pro Gly Gly Gly Asp
100

<210> 245
<211> 97
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: Roundworm
tau polypeptide

<400> 245
Asn His Lys Ala Gly Gly Gly Asn Val Glu Ile Phe Ser Glu Lys Arg
1 5 10 15

Leu Tyr Asn Ala Gln Ser Lys Val Gly Ser Leu Lys Asn Ala Thr His
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20

25

30

Val Ala Gly Gly Gly Asn Val Gln Ile Glu Asn Arg Lys Leu Asp Phe
 35 40 45

Ser Ala Ala Ser Pro Lys Val Gly Ser Lys Thr Asn Tyr Gln Pro Ala
 50 55 60

Lys Ser Asp Val Lys Ile Val Ser Glu Lys Leu Thr Trp Gln Ala Lys
 65 70 75 80

Ser Lys Val Gly Ser Met Asp Asn Ala Ala His Lys Pro Ala Gly Gly
 85 90 95

Asn

<210> 246

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 246

Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln
 1 5 10 15

Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly
 20 25 30

Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile
 35 40 45

Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser
 50 55 60

Leu Gly Asn Ile His His Val Pro Gly Gly Gly Gln Val Glu Val Lys
 65 70 75 80

Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser
 85 90 95

Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn Lys Lys Ile Glu
 100 105 110

Thr

<210> 247

<211> 12

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 247
Gln Ser Leu Leu Ala Ser Arg Thr Arg Lys Asn Tyr
1 5 10

<210> 248
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 248
Gln Ser Leu Leu Asn Ser Ala Thr Arg Lys Asn Tyr
1 5 10

<210> 249
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 249
Gln Ser Leu Leu Asn Ser Arg Thr Arg Lys Asn Ala
1 5 10

<210> 250
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 250
Gly Trp Ser Ile His Ser Pro Gly Gly Gly Ser Cys
1 5 10

<210> 251
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 251
Ser Val Phe Gln His Leu Pro Gly Gly Gly Ser Cys
1 5 10

<210> 252
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 252

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
1 5 10 15

Ala

<210> 253

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 253

Ala Ala Ser
1

<210> 254

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 254

Ala Gln Ser Phe Tyr Leu Arg Thr
1 5

<210> 255

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 255

Lys Ala Ser Phe Tyr Leu Arg Thr
1 5

<210> 256

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 256

Lys Gln Ala Phe Tyr Leu Arg Thr
1 5

<210> 257

<211> 8
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 257
 Lys Gln Ser Ala Tyr Leu Arg Thr
 1 5

 <210> 258
 <211> 8
 <212> PRT
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 <220>
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 <400> 258
 Lys Gln Ser Phe Ala Leu Arg Thr
 1 5

 <210> 259
 <211> 8
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 259
 Lys Gln Ser Phe Tyr Ala Arg Thr
 1 5

 <210> 260
 <211> 8
 <212> PRT
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 <220>
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 <400> 260
 Lys Gln Ser Phe Tyr Leu Ala Thr
 1 5

 <210> 261
 <211> 10
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 261
 Gly Tyr Ile Phe Thr Asp Ala Val Ile Ser
 1 5 10

<210> 262
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 262
Gly Tyr Ile Phe Thr Asp Tyr Ala Ile Ser
1 5 10

<210> 263
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 263
Trp Val Lys Gln Arg Thr Gly Gln Gly Leu Glu Trp Ile Gly Ala
1 5 10 15

<210> 264
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 264
Ile Ala Pro Arg Ser Gly Ser Thr
1 5

<210> 265
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 265
Ile Phe Pro Arg Ser Gly Ala Thr
1 5

<210> 266
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 266
Ala Arg Ala Tyr Tyr Gly Thr Ser Phe Ala Met Asp Tyr
1 5 10

<210> 267
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 267
 Ala Arg Asp Ala Tyr Gly Thr Ser Phe Ala Met Asp Tyr
 1 5 10

<210> 268
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 268
 Ala Arg Asp Tyr Ala Gly Thr Ser Phe Ala Met Asp Tyr
 1 5 10

<210> 269
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

 <400> 269
 Ala Arg Asp Tyr Tyr Ala Thr Ser Phe Ala Met Asp Tyr
 1 5 10

<210> 270
 <211> 12
 <212> PRT
 <213> Homo sapiens

 <400> 270
 Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys
 1 5 10

<210> 271
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 271
 Lys His Gln Pro Gly Gly Gly
 1 5

<210> 272
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 272
 His Gln Pro Gly Gly Gly
 1 5

<210> 273
<211> 5
<212> PRT
<213> Homo sapiens

<400> 273
His Gln Pro Gly Gly
1 5

<210> 274
<211> 5
<212> PRT
<213> Homo sapiens

<400> 274
Gln Pro Gly Gly Gly
1 5

<210> 275
<211> 42
<212> PRT
<213> Homo sapiens

<400> 275

Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Ile Asn
1 5 10 15

Lys Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys Gly Ser Lys Asp
20 25 30

Asn Ile Lys His Val Pro Gly Gly Gly Ser
35 40

<210> 276
<211> 7
<212> PRT
<213> Homo sapiens

<400> 276
Lys His Val Pro Gly Gly Gly
1 5

<210> 277
<211> 6
<212> PRT
<213> Homo sapiens

<400> 277
His Val Pro Gly Gly Gly
1 5

<210> 278
<211> 5
<212> PRT
<213> Homo sapiens

<400> 278
His Val Pro Gly Gly
1 5

<210> 279
<211> 5
<212> PRT
<213> Homo sapiens

<400> 279

Val Pro Gly Gly Gly
1 5

<210> 280
<211> 19
<212> PRT
<213> Homo sapiens

<400> 280
Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser Val Gln Ile Val Tyr
1 5 10 15

Lys Pro Val

<210> 281
<211> 7
<212> PRT
<213> Homo sapiens

<400> 281
His His Lys Pro Gly Gly Gly
1 5

<210> 282
<211> 6
<212> PRT
<213> Homo sapiens

<400> 282
His Lys Pro Gly Gly Gly
1 5

<210> 283
<211> 7
<212> PRT
<213> Homo sapiens

<400> 283
Thr His Val Pro Gly Gly Gly
1 5