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ccttgatcgt tgggaaccgg agctgaatga agccatacca aacgacgagc gtgacaccac 5280

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<210> 9
<211> 234
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic vector

<400> 9

Met Val Ser Thr Ala Gln Phe Leu Ala Phe Leu Leu Leu Trp Phe Pro
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Gly Ala Arg Cys Asp Ile Leu Met Thr Gln Ser Pro Ser Ser Met Ser
20 25 30

Val Ser Leu Gly Asp Thr Val Ser Ile Thr Cys His Ser Ser Gln Asp
35 40 45

Ile Asn Ser Asn Ile Gly Trp Leu Gln Gln Arg Pro Gly Lys Ser Phe
50 55 60

Lys Gly Leu Ile Tyr His Gly Thr Asn Leu Asp Asp Glu Val Pro Ser
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Ser
85 90 95

Ser Leu Glu Ser Glu Asp Phe Ala Asp Tyr Tyr Cys Val Gln His Ala
100 105 110

Gln Phe Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
115 120 125

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
130 135 140

Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
145 150 155 160

Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
165 170 175

Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
180 185 190

Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
195 200 205

His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
210 215 220

Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230

<210> 10
<211> 463
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic vector

<400> 10

Met Arg Val Leu Ile Leu Leu Trp Leu Phe Thr Ala Phe Pro Gly Val
1 5 10 15

Leu Ser Asp Val Gln Leu Gln Glu Ser Gly Pro Ser Leu Val Lys Pro
20 25 30

Ser Gln Thr Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr
35 40 45

Ser Asp Phe Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu
50 55 60

Glu Trp Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro
65 70 75 80

Ser Leu Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln
85 90 95

Phe Phe Leu Gln Leu Asn Ser Val Thr Ile Glu Asp Thr Ala Thr Tyr
100 105 110

Tyr Cys Val Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr
115 120 125

Leu Val Thr Val Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu
130 135 140

Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys
145 150 155 160

Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser
165 170 175

Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
180 185 190

Ser Gly Leu Tyr Ser Leu Ser Ser Val Tyr Ser Val Pro Ser Ser Ser
195 200 205

Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn
210 215 220

Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His
225 230 235 240

Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val
245 250 255

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
260 265 270

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
275 280 285

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
290 295 300

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
305 310 315 320

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
325 330 335

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
340 345 350

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
355 360 365

Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
370 375 380

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
385 390 395 400

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
405 410 415

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
420 425 430

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
435 440 445

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
450 455 460

<210> 11
<211> 116
<212> PRT
<213> Mus musculus

<400> 11

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

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp
20 25 30

Phe Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
35 40 45

Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

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

Val Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ala
115

<210> 12
<211> 108

<212> PRT
<213> Mus musculus

<400> 12

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

Asp Thr Val Ser Ile Thr Cys His Ser Ser Gln Asp Ile Asn Ser Asn
20 25 30

Ile Gly Trp Leu Gln Gln Arg Pro Gly Lys Ser Phe Lys Gly Leu Ile
35 40 45

Tyr His Gly Thr Asn Leu Asp Asp Glu Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Ser Ser Leu Glu Ser
65 70 75 80

Glu Asp Phe Ala Asp Tyr Tyr Cys Val Gln Tyr Ala Gln Phe Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
100 105

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

<220>
<223> synthetic

<400> 13

Leu Glu Glu Lys Lys Gly Asn Tyr Val Val Thr Asp His
1 5 10

<210> 14
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 14

Cys Gly Ala Asp Ser Tyr Glu Met Glu Glu Asp Gly Val Arg Lys Cys
1 5 10 15

<210> 15
<211> 6
<212> PRT
<213> Mus musculus

<400> 15

Ser Asp Phe Ala Trp Asn
1 5

<210> 16
<211> 16
<212> PRT
<213> Mus musculus

<400> 16

Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 17
<211> 9
<212> PRT
<213> Mus musculus

<400> 17

Val Thr Ala Gly Arg Gly Phe Pro Tyr
1 5

<210> 18
<211> 11
<212> PRT
<213> Mus musculus

<400> 18

His Ser Ser Gln Asp Ile Asn Ser Asn Ile Gly
1 5 10

<210> 19
<211> 7
<212> PRT
<213> Mus musculus

<400> 19

His Gly Thr Asn Leu Asp Asp
1 5

<210> 20
<211> 9
<212> PRT
<213> Mus musculus

<400> 20

Val Gln Tyr Ala Gln Phe Pro Trp Thr
1 5

<210> 21
<211> 348
<212> DNA
<213> Mus musculus

<400> 21
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acctgcactg tcactggcta ctcaatcacc agtgactatg cctggaactg gatccggcag 120

tttccaggaa acaaactgga gtggatgggc tacataagtt acagtgctaa cactaggtac 180

aacccatctc tcaaaagtcg aatctctatc actcgagaca catccaagaa ccaattcttc 240

ctgcagttga attctgtgac tactgaggac acagccacat attactgtgc aacggcggga 300

cgcgggtttc cttactgggg ccaagggact ctggtcactg tctctgca 348

<210> 22
<211> 116
<212> PRT
<213> Mus musculus

<400> 22

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

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp
20 25 30

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

Met Gly Tyr Ile Ser Tyr Ser Ala Asn Thr Arg Tyr Asn Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

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

Ala Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ala
115

<210> 23
<211> 6
<212> PRT
<213> Mus musculus

<400> 23

Ser Asp Tyr Ala Trp Asn
1 5

<210> 24
<211> 16
<212> PRT
<213> Mus musculus

<400> 24

Tyr Ile Ser Tyr Ser Ala Asn Thr Arg Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 25
<211> 7
<212> PRT
<213> Mus musculus

<400> 25

Ala Gly Arg Gly Phe Pro Tyr
1 5

<210> 26
<211> 324
<212> DNA
<213> Mus musculus

<400> 26
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atcacttgcc attcaagtca ggacattaac agtaatatag ggtggttgca gcagaaacca 120

gggaaatcat ttaagggcct gatctatcat ggaaccaact tggacgatgg agttccatca 180

aggttcagtg gcagtggatc tggagccgat tattctctca ccatcagcag cctggaatct 240

gaagattttg tagactatta ctgtgtacag tatggtcagt ttccgtggac gttcggtgga 300

ggcaccaagc tggaaatcaa acgg 324

<210> 27
<211> 108
<212> PRT
<213> Mus musculus

<400> 27

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

Asp Thr Val Ser Ile Thr Cys His Ser Ser Gln Asp Ile Asn Ser Asn
20 25 30

Ile Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys Gly Leu Ile
35 40 45

Tyr His Gly Thr Asn Leu Asp Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Ser Ser Leu Glu Ser
65 70 75 80

Glu Asp Phe Val Asp Tyr Tyr Cys Val Gln Tyr Gly Gln Phe Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 28
<211> 11
<212> PRT
<213> Mus musculus

<400> 28

His Ser Ser Gln Asp Ile Asn Ser Asn Ile Gly
1 5 10

<210> 29

<211> 7
<212> PRT
<213> Mus musculus

<400> 29

His Gly Thr Asn Leu Asp Asp
1 5

<210> 30
<211> 9
<212> PRT
<213> Mus musculus

<400> 30

Val Gln Tyr Gly Gln Phe Pro Trp Thr
1 5

<210> 31
<211> 348
<212> DNA
<213> Mus musculus

<400> 31
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acctgcactg tcactggcta ctcaatcacc agtgattatg cctggaactg gatccggcag 120

tttccaggaa acaaactgga gtggatgggc tacataagct acagtggtaa cactagatac 180

aacccatctc tcagaagtcg aatctctatc actcgagaca catccaagaa ccaattcttc 240

ctgcagttga attctgtgac tactgaggac acagccacat attactgtgc aacggcggga 300

cgcggatttc cttactgggg ccaagggact ctggtcactg tctctgca 348

<210> 32
<211> 116
<212> PRT
<213> Mus musculus

<400> 32

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

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp
20 25 30

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

Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu
50 55 60

Arg Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

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

Ala Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ala
115

<210> 33
<211> 6
<212> PRT
<213> Mus musculus

<400> 33

Ser Asp Tyr Ala Trp Asn
1 5

<210> 34
<211> 16
<212> PRT
<213> Mus musculus

<400> 34

Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu Arg Ser
1 5 10 15

<210> 35
<211> 9
<212> PRT
<213> Mus musculus

<400> 35

Ala Thr Ala Gly Arg Gly Phe Pro Tyr
1 5

<210> 36
<211> 322
<212> DNA
<213> Mus musculus

<400> 36
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atcacttgcc attcaagtca ggacattaac agtaatatag ggtggttgca gcagaaacca 120

gggaaatcat ttaagggcct gatctatcat ggaaccaact tggacgatgg agttccatca 180

aggttcagtg gcagtggatc tggagccgat tattctctca ccatcagcag cctggaatct 240

gaggattttg cagactatta ctgtgtacag tatggtcagt ttccgtggac gttcggtgga 300

ggcaccaagc tggaaatcaa ac 322

<210> 37
<211> 108
<212> PRT
<213> Mus musculus

<400> 37

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

Asp Thr Val Asn Ile Thr Cys His Ser Ser Gln Asp Ile Asn Ser Asn
20 25 30

Ile Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys Gly Leu Ile
35 40 45

Tyr His Gly Thr Asn Leu Asp Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Ser Ser Leu Glu Ser
65 70 75 80

Glu Asp Phe Ala Asp Tyr Tyr Cys Val Gln Tyr Gly Gln Phe Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 38
<211> 11
<212> PRT
<213> Mus musculus

<400> 38

His Ser Ser Gln Asp Ile Asn Ser Asn Ile Gly
1 5 10

<210> 39
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 39

His Gly Thr Asn Leu Asp Asp
1 5

<210> 40
<211> 9
<212> PRT
<213> Mus musculus

<400> 40

Val Gln Tyr Gly Gln Phe Pro Trp Thr
1 5

<210> 41
<211> 11891
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic vector

<400> 41
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ggtaaggggc tgccaaatcc cagtgaggag gaagggatcg aaggtcacca tcgaagccag 120

tcacccagtg aaggggggctt ccatccactc ctgtgtcttc tctacaggtg tccacagcca 180

ggtgcagctc caagagagtg gacctgggct tgtcaagccg agtcaaactt tgtccctaac 240

atgtactgtg tccggatact ctatctcatc agattttgcg tggaattgga taaggcagcc 300

accagggaaa ggtttagaat ggatgggcta catatcatac tctgggaaca ccagatatca 360

accttctctg aaaagccgga tcacaatctc aagggacacg tcgaagaatc agttcttcct 420

gaaactgaac tccgttacag ccgcagacac agcaacatat tactgcgtaa ccgctggcag 480

aggcttcccc tattggggac agggcaccct agtgacagtg agcagcggta agatggcaca 540

ccgtggccgg cctctgcgcc tgggcccagc tctgtcccac accgcggtca catggcacct 600

tttctcttcc agcctccacc aagggcccca gcgtgttccc cctggccccc agcagcaaga 660

gcaccagcgg cggcacagcc gccctgggct gcctggtgaa ggactacttc cccgagcccg 720

tgaccgtgag ctggaacagc ggagccctga cctccggcgt gcacaccttc cccgccgtgc 780

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gcacccagac ctacatctgc aacgtgaacc acaagcccag caacaccaag gtggacaaga 900

aggtggagcc caagagctgc gacaagaccc acacctgccc cccctgccca gccccagagc 960

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tgaacggcaa ggaatacaaa tgcaaggtct ccaacaaggc cctgccagcc cccatcgaaa 1260

agaccatcag caaggccaag ggccagccac gggagcccca ggtgtacacc ctgccccccct 1320

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ccagcgacat cgccgtggag tgggagagca acggccagcc cgagaacaac tacaagacca 1440

ccccccagt gctggacagc gacggcagct tcttcctgta cagcaagctg accgtggaca 1500

agagcaggtg gcagcagggc aacgtgttca gctgcagcgt gatgcacgag gccctgcaca 1560

accactacac ccagaagagc ctgagcctgt cccccggcaa gtgatgacga cgcggccgtg 1620

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tttaaaaaac ctcccacacc tccccctgaa cctgaaacat aaaatgaatg caattgttgt 1740

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cacaaataaa gcatttttt cactgcattc tagttgtggt ttgtccaaac tcatcaatgt 1860

atcttatcat gtctggcggc cgccgatatt tgaaaatatg gcatattgaa aatgtcgccg 1920

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gatatctggc gatagcgctt atatcgttta cgggggatgg cgatagacga ctttggtgac 2040

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35 40 45

Ser Ser Asp Phe Ala Trp Asn Trp Ile Arg Gln Pro Pro Gly Lys Gly
50 55 60

Leu Glu Trp Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Gln
65 70 75 80

Pro Ser Leu Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys Asn
85 90 95

Gln Phe Phe Leu Lys Leu Asn Ser Val Thr Ala Ala Asp Thr Ala Thr
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Tyr Tyr Cys Val Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly
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Thr Leu Val Thr Val Ser Ser
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Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
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Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
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Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
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Cys Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
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Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
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Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
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Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
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20 25 30

Ser Val Gly Asp Arg Val Thr Ile Thr Cys His Ser Ser Gln Asp Ile
35 40 45

Asn Ser Asn Ile Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys
50 55 60

Gly Leu Ile Tyr His Gly Thr Asn Leu Asp Asp Gly Val Pro Ser Arg
65 70 75 80

Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser
85 90 95

Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln Tyr Ala Gln
100 105 110

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Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
35 40 45

Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
50 55 60

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

Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
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actcctgtgt cttctctac 79

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tagagaagac acaggagtgg 80

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attccacgca aaatctgatg 80

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aatcactagg gacacgtcg 79

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ggagtggatg gaagccc 77

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caagccaaga catcaactcc 80

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<400> 67
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ttggagttga tgtcttggct tg 82

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gtctggcagc gggaccgact atac 84

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<223> synthetic oligonucleotide

<400> 72
gacggatcct tctaaactct gaggggtcg gatgacg 37

<210> 73
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 73

ggagctgcga cggttcctga ggaaagaagc aaacaggatg gtgtttaagt aacaatggcc 60

acgtcatccg acccccctc 78

<210> 74
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 74
ggaaccgtcg cagctccctc cgtgttcatc ttccccccat ccgacgagca actgaagtca 60

ggcacagcct ccgtggtg 78

<210> 75
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 75
gtgcgttgtc cactttccac tggactttgg cctctcttgg gtaaaagtta ttaaggaggc 60

acaccacgga ggctgtgc 78

<210> 76
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 76
gtggaaagtg gacaacgcac tacagagcgg gaactctcag gaaagcgtga cagagcagga 60

ctcaaaagat tcaacataca gcc 83

<210> 77
<211> 88
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 77
cttcacaggc atataccttg tgcttttcat aatcagcttt tgacagtgtc agggtagaag 60

ataggctgta tgttgaatct tttgagtc 88

<210> 78
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 78
gcacaaggta tatgcctgtg aagtaactca tcagggactc agcagccctg tcactaaaag 60

ttttaataga g 71

<210> 79
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 79
cctgcggccg cttatcagca ttcgcctcta ttaaaacttt tggtgagagg g 51

<210> 80
<211> 1128
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 80
aagatggcac accgtggccg gcctctgcgc ctgggcccag ctctgtccca caccgcggtc 60

acatggcacc ttttctcttc cagcctccac caagggcccc agcgtgttcc ccctggcccc 120

cagcagcaag agcaccagcg gcggcacagc cgccctgggc tgcctggtga aggactactt 180

ccccgagccc gtgaccgtga gctggaacag cggagccctg acctccggcg tgcacacctt 240

ccccgccgtg ctgcagagca gcggcctgta cagcctgagc agcgtggtga ccgtgcccag 300

cagcagcctg ggcacccaga cctacatctg caacgtgaac cacaagccca gcaacaccaa 360

ggtggacaag aaggtggagc ccaagagctg cgacaagacc cacacctgcc ccccctgccc 420

agccccagag ctgctgggcg gaccctccgt gttcctgttc ccccccaagc ccaaggacac 480

cctgatgatc agcaggaccc ccgaggtgac ctgcgtggtg gtggacgtga gccacgagga 540

cccagaggtg aagttcaatt ggtatgtgga cggcgtggag gtgcacaacg ccaagaccaa 600

gcccagagaa gagcagtaca acagcaccta cagggtggtg tccgtgctga ccgtgctgca 660

ccaggactgg ctgaacggca aggaatacaa atgcaaggtc tccaacaagg ccctgccagc 720

ccccatcgaa aagaccatca gcaaggccaa gggccagcca cgggagcccc aggtgtacac 780

cctgcccccc tcccgggacg agtgcaccaa gaaccaggtg tccctgacct gtctggtgaa 840

gggcttctac cccagcgaca tcgccgtgga gtgggagagc aacggccagc ccgagaacaa 900

ctacaagacc acccccccag tgctggacag cgacggcagc ttcttcctgt acagcaagct 960

gaccgtggac aagagcaggt ggcagcaggg caacgtgttc agctgcagcg tgatgcacga 1020

ggccctgcac aaccactaca cccagaagag cctgagcctg tcccccggca agtgatgacg 1080

acgcggccgt gcggacgacc gaattcattg atcataatca gccatacc 1128

<210> 81
<211> 465
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 81

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
1 5 10 15

Val His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
20 25 30

Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile
35 40 45

Ser Ser Asp Phe Ala Trp Asn Trp Ile Arg Gln Pro Pro Gly Lys Gly
50 55 60

Leu Glu Trp Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Gln
65 70 75 80

Pro Ser Leu Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys Asn
85 90 95

Gln Phe Phe Leu Lys Leu Asn Ser Val Thr Ala Ala Asp Thr Ala Thr
100 105 110

Tyr Tyr Cys Val Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly
115 120 125

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
130 135 140

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

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
165 170 175

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
180 185 190

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
195 200 205

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
210 215 220

Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
225 230 235 240

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
245 250 255

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
260 265 270

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
275 280 285

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
290 295 300

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
305 310 315 320

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
325 330 335

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
340 345 350

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
355 360 365

Leu Pro Pro Ser Arg Asp Glu Cys Thr Lys Asn Gln Val Ser Leu Thr
370 375 380

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
385 390 395 400

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
405 410 415

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
420 425 430

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
435 440 445

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
450 455 460

Lys
465

<210> 82
<211> 209
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 82

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
1 5 10 15

Val His Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Val
20 25 30

Ser Val Gly Asp Arg Val Thr Ile Thr Cys His Ser Ser Gln Asp Ile

35 40 45

Asn Ser Asn Ile Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys
50 55 60

Gly Leu Ile Tyr His Gly Thr Asn Leu Asp Asp Gly Val Pro Ser Arg
65 70 75 80

Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser
85 90 95

Leu Glu Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln His Ala Gln
100 105 110

Phe Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Thr
115 120 125

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
130 135 140

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro
145 150 155 160

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
165 170 175

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
180 185 190

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His
195 200 205

Lys

<210> 83
<211> 233
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 83

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
1 5 10 15

Val His Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Val
20 25 30

Ser Val Gly Asp Arg Val Thr Ile Thr Cys His Ser Ser Gln Asp Ile
35 40 45

Asn Ser Asn Ile Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys
50 55 60

Gly Leu Ile Tyr His Gly Thr Asn Leu Asp Asp Gly Val Pro Ser Arg
65 70 75 80

Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser
85 90 95

Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln Tyr Ala Gln
100 105 110

Phe Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Thr
115 120 125

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
130 135 140

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro
145 150 155 160

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
165 170 175

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
180 185 190

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His
195 200 205

Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val
210 215 220

Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230

<210> 84
<211> 7
<212> PRT
<213> Mus musculus

<400> 84

Cys Val Gln His Ala Gln Phe
1 5

<210> 85
<211> 7
<212> PRT
<213> Mus musculus

<400> 85

Cys Val Gln Tyr Ala Gln Phe
1 5

<210> 86
<211> 40
<212> DNA

<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 86
ccacatacta ctgcgtccag tacgctcagt tcccctggac 40

<210> 87
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 87
ctggacgcag tagtatgtgg 20

<210> 88
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 88
gagaagcttg ccgccaccat ggattg 26

<210> 89
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 89
cactgggtga ctggcttcga tggtgacc 28

<210> 90
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 90
ggtcaccatc gaagccagtc acccagtgaa gggggcttcc atccactcc 49

<210> 91
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 91
ccaagatctg gccggccacg gtgtgccatc ttaccgctgc tcac 44

<210> 92
<211> 22

<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 92
gagaagcttg ccgccaccat gg 22

<210> 93
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 93
cggtccgccc ccttgactgg cttcg 25

<210> 94
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 94
cgaagccagt caaggggggcg gaccgcttcc atccactcct gtgtc 45

<210> 95
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 95
ccaagatctt taattaacgg accgctactc acgtttgatt tccagttttg 50

<210> 96
<211> 7
<212> PRT
<213> Mus musculus

<400> 96

Ser Val Thr Ile Glu Asp Thr
1 5

<210> 97
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 97

Ser Val Thr Ala Pro Asp Thr
1 5

<210> 98
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 98

Ser Val Thr Ala Ala Asp Thr
1 5

<210> 99
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 99
ctgcagctga actccgttac agccgcagac acagcaacat attactgcg 49

<210> 100
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 100
cgcagtaata tgttgctgtg tctgcggctg taacggagtt cagctgcag 49

<210> 101
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 101

Thr Arg Asp Thr Ser Lys Ser Gln Phe Phe Leu Gln
1 5 10

<210> 102
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 102

Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe Leu Lys
1 5 10

<210> 103
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 103
ggtcaccatc gaagccagtc acccagtgaa gggggcttcc atccactcc 49

<210> 104
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 104
gattcttcga cgtgtccctt gagattgtga tccggctttt cagag 45

<210> 105
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 105
caagggacac gtcgaagaat cagttcttcc tgaaactgaa ctccgttaca gccgc 55

<210> 106
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 106
ccaagatctg gccggccacg gtgtgccatc ttaccgctgc tcac 44

<210> 107
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 107

Ser Ser Leu Glu Pro Glu
1 5

<210> 108
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 108

Ser Ser Leu Gln Pro Glu
1 5

<210> 109
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 109
cgaagccagt caaggggggcg gaccgcttcc atccactcct gtgtc 45

<210> 110
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 110
ctctggttgt aagctagaga tggtcagtgt atag 34

<210> 111
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 111
ccatctctag cttacaacca gaggactttg ccacatacta ctgcg 45

<210> 112
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 112
ccaagatctt taattaacgg accgctactc acgtttgatt tccagttttg 50

<210> 113
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 113

Val Tyr Ala Cys Glu Val Thr His
1 5

<210> 114
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 114

ggcggcacaa aactggaaat c 21

<210> 115
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 115
gatgagttac ttcacaggca tatactttgt gcttttcata atcagctttt gacagtgtc 59

<210> 116
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 116
agtatatgcc tgtgaagtaa ctcatc 26

<210> 117
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 117
gccacgatgc gtccggc 17

<210> 118
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 118
gcacttgatg taattctcct tgg 23

<210> 119
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 119
gaagtagtcc ttgaccagg 19

<210> 120
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 120
gaagatgaag acagatggtg cag 23

<210> 121
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 121
cggtggaggg cagtgtagtc 20

<210> 122
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 122
gtgatgctat tgctttattt g 21

<210> 123
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 123
catacctacc agttctgcgc c 21

<210> 124
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 124
ccatcctgtt tgcttctttc c 21

<210> 125
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 125
gacagggctg ctgagtc 17

<210> 126
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 126
gtgcagctcc aagagagtgg ac 22

<210> 127
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic primer

<400> 127
cagagtccat ccagcatgtc 20

<210> 128
<211> 363
<212> DNA
<213> Mus musculus

<400> 128
ttagtcaagc tgcaggagtc tggacctagc ctggtgaaac cttctcagtc tctgtccctc 60

acctgcactg tcactggcta ctcaatcacc agtgactatg cctggaactg gatccggcag 120

tttccaggaa acaaactgga gtggatgggc tacataagtt acagtgctaa cactaggtac 180

aacccatctc tcaaaagtcg aatctctatc actcgagaca catccaagaa ccaattcttc 240

ctgcagttga attctgtgac tactgaggac acagccacat attactgtgc aacggcggga 300

cgcgggtttc cttactgggg ccaagggact ctggtcactg tctctgcagc caaaacgaca 360

ccc 363

<210> 129
<211> 116
<212> PRT
<213> Mus musculus

<400> 129

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

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp
20 25 30

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

Met Gly Tyr Ile Ser Tyr Ser Ala Asn Thr Arg Tyr Asn Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

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

Ala Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ala
115

<210> 130
<211> 6
<212> PRT
<213> Mus musculus

<400> 130

Ser Asp Tyr Ala Trp Asn
1 5

<210> 131
<211> 16
<212> PRT
<213> Mus musculus

<400> 131

Tyr Ile Ser Tyr Ser Ala Asn Thr Arg Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 132
<211> 9
<212> PRT
<213> Mus musculus

<400> 132

Ala Thr Ala Gly Arg Gly Phe Pro Tyr
1 5

<210> 133
<211> 324
<212> DNA
<213> Mus musculus

<400> 133
gacattgtgc tgacccagtc tccatcctcc atgtctctat ctctgggaga cacagtcagt 60

atcacttgcc attcaagtca ggacattaac agtaatatag ggtggttgca gcagaaacca 120

gggaaatcat ttaagggcct gatctatcat ggaaccaact tggacgatgg agttccatca 180

aggttcagtg gcagtggatc tggagccgat tattctctca ccatcagcag cctggaatct 240

gaagattttg tagactatta ctgtgtacag tatggtcagt ttccgtggac gttcggtgga 300

ggcaccaagc tggaaatcaa acgg 324

<210> 134
<211> 107
<212> PRT
<213> Mus musculus

<400> 134

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

Asp Thr Val Ser Ile Thr Cys His Ser Ser Gln Asp Ile Ser Asn Ile
20 25 30

Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys Gly Leu Ile Tyr
35 40 45

His Gly Thr Asn Leu Glu Asp Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Ser Ser Leu Glu Ser Glu
65 70 75 80

Asp Phe Val Asp Tyr Tyr Cys Val Gln Tyr Gly Gln Phe Pro Trp Thr
85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 135
<211> 11
<212> PRT
<213> Mus musculus

<400> 135

His Ser Ser Gln Asp Ile Ser Ser Asn Ile Gly
1 5 10

<210> 136
<211> 7
<212> PRT
<213> Mus musculus

<400> 136

His Gly Thr Asn Leu Glu Asp
1 5

<210> 137
<211> 10
<212> PRT
<213> Mus musculus

<400> 137

Cys Val Gln Tyr Gly Gln Phe Pro Trp Thr
1 5 10

<210> 138
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 138

Cys Gly Ala Asp Ser Tyr Glu Met Glu Glu Asp Gly Val Arg Lys Cys
1 5 10 15

<210> 139
<211> 7

<212> PRT
<213> Mus musculus

<400> 139

His Gly Thr Asn Leu Asp Asp
1 5

<210> 140
<211> 7
<212> PRT
<213> Mus musculus

<400> 140

His Gly Thr Asn Leu Asp Asp
1 5

<210> 141
<211> 7
<212> PRT
<213> Mus musculus

<400> 141

His Gly Thr Asn Leu Glu Asp
1 5

<210> 142
<211> 7
<212> PRT
<213> Mus musculus

<400> 142

His Gly Thr Asn Leu Asp Asp
1 5

<210> 143
<211> 11
<212> PRT
<213> Mus musculus

<400> 143

Gly Tyr Ser Ile Thr Ser Asp Phe Ala Trp Asn
1 5 10

<210> 144
<211> 17
<212> PRT
<213> Mus musculus

<400> 144

Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu Lys
1 5 10 15

Ser

<210> 145
<211> 11
<212> PRT

<213> Mus musculus

<400> 145

Gly Tyr Ser Ile Thr Ser Asp Tyr Ala Trp Asn
1 5 10

<210> 146
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 146

Gly Tyr Ile Ser Tyr Ser Ala Asn Thr Arg Tyr Asn Pro Ser Leu Lys
1 5 10 15

Ser

<210> 147
<211> 11
<212> PRT
<213> Mus musculus

<400> 147

Gly Tyr Ser Ile Thr Ser Asp Tyr Ala Trp Asn
1 5 10

<210> 148
<211> 17
<212> PRT
<213> Mus musculus

<400> 148

Gly Tyr Ile Ser Tyr Ser Ala Asn Thr Arg Tyr Asn Pro Ser Leu Lys
1 5 10 15

Ser

<210> 149
<211> 11
<212> PRT
<213> Mus musculus

<400> 149

Gly Tyr Ser Ile Thr Ser Asp Tyr Ala Trp Asn
1 5 10

<210> 150
<211> 17
<212> PRT
<213> Mus musculus

<400> 150

Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu Arg

1 5 10 15

Ser

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

<220>
<223> synthetic

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is an amino acid residue having an uncharged polar R group

<400> 151

His Ser Ser Gln Asp Ile Xaa Ser Asn Ile Gly
1 5 10

<210> 152
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is an amino acid residue having a charged polar R group

<400> 152

His Gly Thr Asn Leu Xaa Asp
1 5

<210> 153
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa is selected from the group consisting of Ala, Gly, and an amino acid residue which is conservatively substituted for Ala or Gly

<400> 153

Val Gln Tyr Xaa Gln Phe Pro Trp Thr
1 5

<210> 154
<211> 6

<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (3)..(3)
<223> Xaa is selected from the group consisting of Phe, Tyr, and an amino acid residue which is conservatively substituted for Phe or Tyr

<400> 154

Ser Asp Xaa Ala Trp Asn
1 5

<210> 155
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<220>
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<222> (11)..(11)
<223> Xaa is an amino acid residue having an uncharged polar R group

<400> 155

Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Xaa Pro Ser Leu Lys Ser
1 5 10 15

<210> 156
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<220>
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<222> (6)..(6)
<223> Xaa is selected from the group consisting of Gly, Ala, and an amino acid residue which is conservatively substituted for Gly or Ala

<220>
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<222> (6)..(6)
<223> Xaa is selected from the group consisting of Gly, Ala, and an amino acid residue which is conservatively substituted for Gly or Ala

<400> 156

Tyr Ile Ser Tyr Ser Xaa Asn Thr Arg Tyr Asn Pro Ser Leu Lys Ser
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<210> 157
<211> 16

<212> PRT
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<220>
<223> synthetic

<220>
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<222> (15)..(15)
<223> Xaa is a basic amino acid residue

<400> 157

Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu Xaa Ser
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<210> 158
<211> 9
<212> PRT
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<223> synthetic

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<223> Xaa is selected from the group consisting of Val, Ala, and an amino acid residue which is conservatively substituted for Val or Ala

<400> 158

Xaa Thr Ala Gly Arg Gly Phe Pro Tyr
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<210> 159
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<400> 159

Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Xaa Pro Ser Leu Lys Ser
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<400> 160

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Gly Ala Arg Cys Asp Ile Leu Met Thr Gln Ser Pro Ser Ser Met Ser
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Val Ser Leu Gly Asp Thr Val Ser Ile Thr Cys His Ser Ser Gln Asp
35 40 45

Ile Asn Ser Asn Ile Gly Trp Leu Gln Gln Arg Pro Gly Lys Ser Phe
50 55 60

Lys Gly Leu Ile Tyr His Gly Thr Asn Leu Asp Asp Glu Val Pro Ser
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Ser
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Ser Leu Glu Ser Glu Asp Phe Ala Asp Tyr Tyr Cys Val Gln His Ala
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Gln Phe Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
115 120 125

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<400> 161

Met Arg Val Leu Ile Leu Leu Trp Leu Phe Thr Ala Phe Pro Gly Val
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Leu Ser Asp Val Gln Leu Gln Glu Ser Gly Pro Ser Leu Val Lys Pro
20 25 30

Ser Gln Thr Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr
35 40 45

Ser Asp Phe Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu
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Glu Trp Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro
65 70 75 80

Ser Leu Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln
85 90 95

Phe Phe Leu Gln Leu Asn Ser Val Thr Ile Glu Asp Thr Ala Thr Tyr
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aatttgtatt gcaccctaga ggtgcgctta gagcccatgc acaaggcctg tacccgagaa 11460

gaggccatcg ccgcctcgaa gatgtaggct cgggacgagg gtacggaggt cgctgagtac 11520

cagcgagccg tcgaggaacg aggattgtca cctccggtct gaatccgtgt cgtgctacgg 11580

gtggtggtgg tcacacggcg tgttccggca ccgccatccc atacacagac ttttactcga 11640

gcccctcgcc cgaacgtggc gactgcgtaa accttctgaa ttccgtcgcc gtcttcttct 11700

acgtccgtcg actcaacaac acaagactat tctcagtctc cattgagggc aacgccacga 11760

caattgccac ctcccgtcac atcagactcg tcatgagcaa cgacggcgcg cgcggtggtc 11820

tgtattatcg actgtctgat tgtctgacaa ggaaaggtac ccagaaaaga cgtcagtggc 11880

aggaactgtg c 11891

<210> 163
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 163

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
1 5 10 15

Val His Ser

<210> 164
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 164

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile Ser Ser Asp
20 25 30

Phe Ala Trp Asn Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
35 40 45

Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Gln Pro Ser Leu
50 55 60

Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

Leu Lys Leu Asn Ser Val Thr Ala Ala Asp Thr Ala Thr Tyr Tyr Cys
85 90 95

Val Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 165
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 165

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
1 5 10 15

Val His Ser

<210> 166
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 166

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

Asp Arg Val Thr Ile Thr Cys His Ser Ser Gln Asp Ile Asn Ser Asn
20 25 30

Ile Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys Gly Leu Ile
35 40 45

Tyr His Gly Thr Asn Leu Asp Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln Tyr Ala Gln Phe Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 167
<211> 116
<212> PRT
<213> Mus musculus

<400> 167

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

Thr Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp
20 25 30

Phe Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
35 40 45

Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Asn Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

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

Val Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ala
115

<210> 168
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 168

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile Ser Ser Asp
20 25 30

Phe Ala Trp Asn Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
35 40 45

Met Gly Tyr Ile Ser Tyr Ser Gly Asn Thr Arg Tyr Gln Pro Ser Leu
50 55 60

Lys Ser Arg Ile Thr Ile Thr Arg Asp Thr Ser Lys Ser Gln Phe Phe
65 70 75 80

Leu Gln Leu Asn Ser Val Thr Ala Pro Asp Thr Ala Thr Tyr Tyr Cys
85 90 95

Val Thr Ala Gly Arg Gly Phe Pro Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 169
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 169
acctaacctg gaccgcgtaa gagaaagacc atcgtcggcg gtgtccattc cccgacggtt 60

tagggtcact cctccttccc 80

<210> 170
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 170
atcccagtga ggaggaaggg atcgaaggtc accatcgaag ccagtcaagg gggcttccat 60

ccactcctgt gtcttctcta c 81

<210> 171
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 171
ggtgaggaca cagaagagat gtccacaggt gtcggtccac gtcgaggttc tctcacctgg 60

acccgaacag ttcggctcag 80

<210> 172
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 172
tgggcttgtc aagccgagtc aaactttgtc cctaacatgt actgtgtccg gatactctat 60

ctcatcagat tttgcgtgga attgg 85

<210> 173
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 173
gagtagtcta aaacgcacct taacctattc cgtcggtggt ccctttccaa atcttaccta 60

cccgatgtat agtatgagac cc 82

<210> 174
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 174
gggctacata tcatactctg ggaacaccag atatcaaccc tctctgaaaa gccggatcac 60

aatcactagg gacacgtcga 80

<210> 175
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 175
gttagtgatc cctgtgcagc ttctcggtca agaaggacgt cgacttgagg caatgtcggg 60

gtctgtgtcg ttgtataatg acg 83

<210> 176

<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 176
ccagacacag caacatatta ctgcgtaacc gctggcagag gcttccccta ttggggacag 60

ggcaccctag tgacagtgag ca 82

<210> 177
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 177
gtgggatcac tgtcactcgt cgccattcta cctaggcac 39

<210> 178
<211> 1128
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 178
ttctaccgtg tggcaccggc cggagacgcg gacccgggtc gagacagggt gtggcgccag 60

tgtaccgtgg aaaagagaag gtcggaggtg gttcccgggg tcgcacaagg gggaccgggg 120

gtcgtcgttc tcgtggtcgc cgccgtgtcg gcgggacccg acggaccact tcctgatgaa 180

ggggctcggg cactggcact cgaccttgtc gcctcgggac tggaggccgc acgtgtggaa 240

ggggcggcac gacgtctcgt cgccggacat gtcggactcg tcgcaccact ggcacgggtc 300

gtcgtcggac ccgtgggtct ggatgtagac gttgcacttg gtgttcgggt cgttgtggtt 360

ccacctgttc ttccacctcg ggttctcgac gctgttctgg gtgtggacgg gggggacggg 420

tcggggtctc gacgacccgc ctgggaggca caaggacaag ggggggttcg ggttcctgtg 480

ggactactag tcgtcctggg ggctccactg gacgcaccac cacctgcact cggtgctcct 540

gggtctccac ttcaagttaa ccatacacct gccgcacctc cacgtgttgc ggttctggtt 600

cgggtctctt ctcgtcatgt tgtcgtggat gtcccaccac aggcacgact ggcacgacgt 660

ggtcctgacc gacttgccgt tccttatgtt tacgttccag aggttgttcc gggacggtcg 720

ggggtagctt ttctggtagt cgttccggtt cccggtcggt gccctcgggg tccacatgtg 780

ggacgggggg agggccctgc tcacgtggtt cttggtccac agggactgga cagaccactt 840

cccgaagatg gggtcgctgt agcggcacct caccctctcg ttgccggtcg ggctcttgtt 900

gatgttctgg tgggggggtc acgacctgtc gctgccgtcg aagaaggaca tgtcgttcga 960

ctggcacctg ttctcgtcca ccgtcgtccc gttgcacaag tcgacgtcgc actacgtgct 1020

ccgggacgtg ttggtgatgt gggtcttctc ggactcggac agggggccgt tcactactgc 1080

tgcgccggca cgcctgctgg cttaagtaac tagtattagt cggtatgg 1128

<210> 179
<211> 107
<212> PRT
<213> Mus musculus

<400> 179

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

Asp Thr Val Ser Ile Thr Cys His Ser Ser Gln Asp Ile Asn Ser Asn
20 25 30

Ile Gly Trp Leu Gln Gln Arg Pro Gly Lys Ser Phe Lys Gly Leu Ile
35 40 45

Tyr His Gly Thr Asn Leu Asp Asp Glu Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Ser Ser Leu Glu Ser
65 70 75 80

Glu Asp Phe Ala Asp Tyr Tyr Cys Val Gln His Ala Gln Phe Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 180
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 180

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

Asp Thr Val Ser Ile Thr Cys His Ser Ser Gln Asp Ile Asn Ser Asn
20 25 30

Ile Gly Trp Leu Gln Gln Arg Pro Gly Lys Ser Phe Lys Gly Leu Ile
35 40 45

Tyr His Gly Thr Asn Leu Asp Asp Glu Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Glu Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln Tyr Ala Gln Phe Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 181
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 181
gaacggcggt ggtacctaac ctgaacctct tatgacaaag aacatcgtcg gcgttgtcca 60

ttccccgacg gtttagggtc 80

<210> 182
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 182
aaggggctgc caaatcccag tgaggaggaa gggatcgaag gtgaccatcg aagccagtca 60

aggggcttc catccactcc 80

<210> 183
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 183
tcccccgaag gtaggtgagg acacagaaga gatgtccaca agtgtcacta taagtctact 60

gagtctcagg taggtcgtac 80

<210> 184
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 184
gttcggttct gtagttgagg ttataaccta ccgaggttgt cttcggacca ttcaggaagt 60

ttcctgatta gatagtgcct tg 82

<210> 185
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 185
gaccgtcgcc ctggctgata tgtgactggt agagatcgaa tctcggtctt ctgaaacggt 60

gtatgatgac gcaggtcgtg 80

<210> 186
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 186
catactactg cgtccagcac gctcagttcc cctggacatt cggcggcggc acaaaactgg 60

aaatcaaacg tgagtaggga 80

<210> 187
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 187
cctttagttt gcactcatcc ctaggctc 28

<210> 188
<211> 233
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic

<400> 188

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
1 5 10 15

Val His Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Val
20 25 30

Ser Val Gly Asp Arg Val Thr Ile Thr Cys His Ser Ser Gln Asp Ile
35 40 45

Asn Ser Asn Ile Gly Trp Leu Gln Gln Lys Pro Gly Lys Ser Phe Lys
50 55 60

Gly Leu Ile Tyr His Gly Thr Asn Leu Asp Asp Gly Val Pro Ser Arg
65 70 75 80

Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser
85 90 95

Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln Tyr Ala Gln
100 105 110

Phe Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Thr
115 120 125

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
130 135 140

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Val Tyr Pro
145 150 155 160

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
165 170 175

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
180 185 190

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys Gly
195 200 205

Lys Val Tyr Ala Cys Glu Val Thr His Gln His Leu Ser Ser Pro Val
210 215 220

Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230

<210> 189
<211> 704
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 189
atggtgtcca cagctcagtt ccttgcattc ttgttgcttt ggtttccagg tgcaagatgt 60

gacatcctga tgacccaatc tccatcctcc atgtctgtat ctctgggaga cacagtcagc 120

atcacttgcc attcaagtca ggacattaac agtaatatag ggtggttgca gcagagacca 180

gggaaatcat ttaagggcct gatctatcat ggaaccaact tggacgatga agttccatca 240

aggttcagtg gcagtggatc tggagccgat tattctctca ccatcagcag cctggaatct 300

gaagattttg cagactatta ctgtgtacag tatgctcagt ttccgtggac gttcggtgga 360

ggcaccaagc tggaaatcaa acgaactgtg gctgcaccat ctgtcttcat cttcccgcca 420

tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat 480

cccagagagg ccaaagtaca gtggaaggtg gataacgccc tccaatcggg taactcccag 540

gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 600

ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 660

ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttg 704

<210> 190
<211> 702
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 190

atggattgga cttggagaat actgtttctt gtagcagccg caacaggtgt tcacagtgat 60

attcagatga ctcagagtcc atccagcatg tcagtctccg tgggagatag ggtgacgata 120

acctgtcatt caagccaaga catcaactcc aatattggat ggctccaaca gaagcctggt 180

aagtccttca aaggactaat ctatcacgga acaaacttgg acgacggcgt gccatcgaga 240

ttttcagggt ctggcagcgg gaccgactat acactgacca tctctagctt acaaccagag 300

gactttgcca catactactg cgtccagtac gctcagttcc cctggacatt cggcggcggc 360

acaaaactgg aaatcaaacg aaccgtcgca gctccctccg tgttcatctt ccccccatcc 420

gacgagcaac tgaagtcagg cacagcctcc gtggtgtgcc tccttaataa cttttaccca 480

agagaggcca aagtccagtg gaaagtggac aacgcactac agagcgggaa ctctcaggaa 540

agcgtgacag agcaggactc aaaagattca acatacagcc tatcttctac cctgacactg 600

tcaaaagctg attatgaaaa gcacaaagta tatgcctgtg aagtaactca tcagggactc 660

agcagccctg tcactaaaag ttttaataga ggcgaatgct ga 702

<210> 191
<211> 408
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 191
gccaccatga gagtgctgat tcttttgtgg ctgttcacag cctttcctgg tgtcctgtct 60

gatgtgcagc ttcaggagtc gggacctagc ctggtgaaac cttctcagac tctgtccctc 120

acctgcactg tcactggcta ctcaatcacc agtgattttg cctggaactg gatccggcag 180

tttccaggaa acaagctgga gtggatgggc tacataagtt atagtggtaa cactaggtac 240

aacccatctc tcaaaagtcg aatctctatc actcgagaca catccaagaa ccaattcttc 300

ctgcagttga attctgtgac tattgaggac acagccacat attactgtgt aacggcggga 360

cgcgggtttc cttattgggg ccaagggact ctggtcactg tctctgca 408

<210> 192
<211> 405
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 192
atggattgga cctggcgcat tctctttctg gtagcagccg ccacaggtgt ccacagccag 60

gtgcagctcc aagagagtgg acctgggctt gtcaagccga gtcaaacttt gtccctaaca 120

tgtactgtgt ccggatactc tatctcatca gattttgcgt ggaattggat aaggcagcca 180

ccagggaaag gtttagaatg gatgggctac atatcatact ctgggaacac cagatatcaa 240

ccttctctga aaagccggat cacaatctca agggacacgt cgaagaatca gttcttcctg 300

aaactgaact ccgttacagc cgcagacaca gcaacatatt actgcgtaac cgctggcaga 360

ggcttcccct attggggaca gggcacccta gtgacagtga gcagc 405

<210> 193
<211> 8
<212> PRT
<213> Mus musculus

<400> 193

Tyr His Gly Thr Asn Leu Asp Asp
1 5

<210> 194
<211> 8
<212> PRT
<213> Mus musculus

<400> 194

Tyr His Gly Thr Asn Leu Glu Asp
1 5

<210> 195
<211> 9
<212> PRT
<213> Mus musculus

<400> 195

Val Gln Tyr Ala Gln Phe Pro Trp Thr
1 5