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McWhirter, John
Macdonald, Lynn
Martin, Joel
Murphy, Andrew J.

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Arg Ile Leu Tyr
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Tyr His Trp His Tyr
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aagctgagct ctgtgaccgc cgcggacacg gctgtgtatt actgtgcggg gcatagccat	300
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Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
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Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
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Gly His Ser His Gly Trp Tyr Tyr Tyr Tyr Tyr Gly Met Asp Val Trp
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Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
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Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
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Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
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Leu Val Thr Val Ser Ser
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 <213> Homo sapiens

<400> 318
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 acctgcactg tctctggtgg ctccatcagc agtagtagtt actactgggg ctggatccgc 120
 cagccccag ggaaggggct ggagtggatt gggagtatct attatagtgg gagcacctac 180
 tacaaccctg ccctcaagag tcgagtcacc atatccgtag acacgtccaa gaaccagttc 240
 tccctgaagc tgagctctgt gaccgccgca gacacggctg tgtattactg tgcgagacat 300
 gaagggcata gccaccttaa ctggttcgac ccctggggcc aggggggaac cctggtcacc 360
 gtctcctcag 370

<210> 319
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 319
 Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30
 Ser Tyr Tyr Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu
 35 40 45
 Trp Ile Gly Ser Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
 50 55 60
 Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
 65 70 75 80
 Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
 85 90 95

1900A-WO_SEQ_ST25
 Cys Ala Arg His Glu Gly His Ser His Leu Asn Trp Phe Asp Pro Trp
 100 105 110

Gly Gln Gly Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 320
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 320

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

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

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

Trp Ile Gly Ser Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
 50 55 60

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

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

Cys Ala Arg

<210> 321
 <211> 22
 <212> DNA
 <213> Unknown

<220>
 <223> Mammal

<400> 321
 tcctatcaga cagggggctc tc

22

<210> 322
 <211> 22
 <212> DNA
 <213> Unknown

<220>
 <223> Mammal

<400> 322
 ggaagacatt tgggaaggac tg

22

<210> 323

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<211> 4
<212> PRT
<213> Unknown

<220>
<223> Mammal

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> wherein the "Xaa" represents any amino acid

<400> 323

Phe Gly Xaa Gly
1

<210> 324
<211> 4
<212> PRT
<213> Unknown

<220>
<223> Mammal

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> wherein the "Xaa" represents any amino acid

<400> 324

Trp Gly Xaa Gly
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<210> 325
<211> 95
<212> PRT
<213> Artificial

<220>
<223> Synthetic

<400> 325

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

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

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

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

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

<210> 326
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> CDS
<222> (1)..(21)

<400> 326
cag cag agc tac agc acc ccc
Gln Gln Ser Tyr Ser Thr Pro
1 5

21

<210> 327
<211> 7
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 327
Gln Gln Ser Tyr Ser Thr Pro
1 5

<210> 328
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> CDS
<222> (1)..(21)

<400> 328
cac cat agc cac agc acc cac
His His Ser His Ser Thr His
1 5

21

<210> 329
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<213> Artificial

<220>
<223> Synthetic Construct

<400> 329
His His Ser His Ser Thr His

1

5

<210> 330
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<220>
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<220>
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 <222> (1)..(21)

<400> 330
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 His Gln Ser Tyr Ser Thr Pro
 1 5

21

<210> 331
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<220>
 <223> Synthetic Construct

<400> 331
 His Gln Ser Tyr Ser Thr Pro
 1 5

<210> 332
 <211> 21
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<220>
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<220>
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 <222> (1)..(21)

<400> 332
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 Gln His Ser Tyr Ser Thr Pro
 1 5

21

<210> 333
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<220>
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<400> 333
 Gln His Ser Tyr Ser Thr Pro
 1 5

<210> 334
 <211> 21
 <212> DNA
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<220>
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<220>
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<400> 334
 cag cag agc cac agc acc ccc
 Gln Gln Ser His Ser Thr Pro
 1 5

21

<210> 335
 <211> 7
 <212> PRT
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<220>
 <223> Synthetic Construct

<400> 335

Gln Gln Ser His Ser Thr Pro
 1 5

<210> 336
 <211> 21
 <212> DNA
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<220>
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<220>
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 <222> (1)..(21)

<400> 336
 cag cag agc tac agc acc cac
 Gln Gln Ser Tyr Ser Thr His
 1 5

21

<210> 337
 <211> 7
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<220>
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<400> 337

Gln Gln Ser Tyr Ser Thr His
 1 5

<210> 338

<211> 21
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<220>
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<220>
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 <222> (1)..(21)

<400> 338
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 His His Ser Tyr Ser Thr Pro
 1 5

21

<210> 339
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<220>
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<400> 339

His His Ser Tyr Ser Thr Pro
 1 5

<210> 340
 <211> 21
 <212> DNA
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<220>
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<220>
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 <222> (1)..(21)

<400> 340
 cac cag agc cac agc acc ccc
 His Gln Ser His Ser Thr Pro
 1 5

21

<210> 341
 <211> 7
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<220>
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<400> 341

His Gln Ser His Ser Thr Pro
 1 5

<210> 342
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<220>

<223> Synthetic

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<221> CDS

<222> (1)..(21)

<400> 342

cac cag agc tac agc acc cac
His Gln Ser Tyr Ser Thr His
1 5

21

<210> 343

<211> 7

<212> PRT

<213> Artificial

<220>

<223> Synthetic Construct

<400> 343

His Gln Ser Tyr Ser Thr His
1 5

<210> 344

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<220>

<221> CDS

<222> (1)..(21)

<400> 344

cag cat agc cac agc acc ccc
Gln His Ser His Ser Thr Pro
1 5

21

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<211> 7

<212> PRT

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<220>

<223> Synthetic Construct

<400> 345

Gln His Ser His Ser Thr Pro
1 5

<210> 346

<211> 21

<212> DNA

<213> Artificial

<220>
<223> Synthetic

<220>
<221> CDS
<222> (1)..(21)

<400> 346
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Gln His Ser Tyr Ser Thr His
1 5

21

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<211> 7
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<213> Artificial

<220>
<223> Synthetic Construct

<400> 347
Gln His Ser Tyr Ser Thr His
1 5

<210> 348
<211> 21
<212> DNA
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<220>
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<220>
<221> CDS
<222> (1)..(21)

<400> 348
cag cag agc cac agc acc cac
Gln Gln Ser His Ser Thr His
1 5

21

<210> 349
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<220>
<223> Synthetic Construct

<400> 349
Gln Gln Ser His Ser Thr His
1 5

<210> 350
<211> 21
<212> DNA
<213> Artificial

<220>
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<220>
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<400> 350
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 His His Ser His Ser Thr Pro
 1 5

21

<210> 351
 <211> 7
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 <213> Artificial

<220>
 <223> Synthetic Construct

<400> 351
 His His Ser His Ser Thr Pro
 1 5

<210> 352
 <211> 21
 <212> DNA
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<220>
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<220>
 <221> CDS
 <222> (1)..(21)

<400> 352
 cac cat agc tac agc acc cac
 His His Ser Tyr Ser Thr His
 1 5

21

<210> 353
 <211> 7
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 <213> Artificial

<220>
 <223> Synthetic Construct

<400> 353
 His His Ser Tyr Ser Thr His
 1 5

<210> 354
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1900A-WO_SEQ_ST25

<220>
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<400> 354
cac cag agc cac agc acc cac
His Gln Ser His Ser Thr His
1 5

21

<210> 355
<211> 7
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<213> Artificial

<220>
<223> Synthetic Construct

<400> 355
His Gln Ser His Ser Thr His
1 5

<210> 356
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> CDS
<222> (1)..(21)

<400> 356
cag cat agc cac agc acc cac
Gln His Ser His Ser Thr His
1 5

21

<210> 357
<211> 7
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 357
Gln His Ser His Ser Thr His
1 5

<210> 358
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 358
cttactactg tcaacatagt cacagtaccc atccgatcac cttcg

45

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<210> 359
 <211> 50
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<400> 359
 caacttacta ctgtcaccat agtcacagta cccatccgat caccttcggc 50

<210> 360
 <211> 45
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<400> 360
 cgaaggatgat cggatgggta ctgtgactat gttgacagta gtaag 45

<210> 361
 <211> 50
 <212> DNA
 <213> Artificial

<220>
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<400> 361
 gccgaaggatg atcggatggg tactgtgact atggtgacag tagtaagttg 50

<210> 362
 <211> 23
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<400> 362
 tgggcacaac agacaatcgg ctg 23

<210> 363
 <211> 19
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<400> 363
 ggtggagagg ctattcggc 19

<210> 364
 <211> 17
 <212> DNA
 <213> Artificial

<220>
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1900A-WO_SEQ_ST25

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<400> 366 aggtgagggt acagataagt gttatgag	28
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<400> 367 tgacaaatgc cctaattata gtgatca	27
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<400> 368 atcagcagaa accaggga gcccct	26
<210> 369 <211> 21 <212> DNA <213> Artificial <220> <223> Synthetic	
<400> 369 gggcaagtca gagcattagc a	21
<210> 370 <211> 21 <212> DNA	

<213> Artificial

<220>

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<400> 370

tgcaactgg atgcagcata g

21

<210> 371

<211> 19

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 371

ggccacattc catgggttc

19

<210> 372

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 372

gcaaacaaaa accactggcc

20

<210> 373

<211> 37

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 373

ctgttcctct aaaactggac tccacagtaa atggaaa

37

<210> 374

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 374

gggcactgga tacgatgtat gg

22

<210> 375

<211> 19

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 375

cacagcttgt gcagcctcc

19

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<210> 376
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<220>
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<400> 376
 agaagaagcc tgtactacag catccgtttt acagtca 37

<210> 377
 <211> 19
 <212> DNA
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<220>
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<400> 377
 accatagtca cagtaccca 19

<210> 378
 <211> 23
 <212> DNA
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<220>
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<400> 378
 agcagctctgc aacctgaaga ttt 23

<210> 379
 <211> 18
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<220>
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<400> 379
 cccttggccg aaggtgat 18

<210> 380
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<400> 380
 atagtcacag tacccatcc 19

<210> 381
 <211> 23
 <212> DNA
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<220>
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1900A-WO_SEQ_ST25

<400> 381
agtctgcaac ctgaagattt tgc 23

<210> 382
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 382
cccttggccg aagtgat 18

<210> 383
<211> 108
<212> PRT
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<220>
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<400> 383
Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1 5 10 15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
20 25 30
Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
35 40 45
Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
50 55 60
Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
65 70 75 80
Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
85 90 95
Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 384
<211> 54
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 384
gattttgcag tgtattactg tcagcagtat ggtagctcac cttggacgtt cggc 54

<210> 385

1900A-WO_SEQ_ST25

<211> 54
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 <220>
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 <400> 385
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 <210> 386
 <211> 54
 <212> DNA
 <213> Artificial

 <220>
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 <400> 386
 gccgaacgtc caaggtgagt gaccatggtg atgacagtaa tacactgcaa aatc 54

 <210> 387
 <211> 47
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 <213> Artificial

 <220>
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 <400> 387
 gcagtgatt actgtcatca ctatgggtcac tcaccttgga cgttcgg 47

 <210> 388
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 <212> DNA
 <213> Artificial

 <220>
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 <400> 388
 ccgaacgtcc aaggtgagt accatagtga tgacagtaat acactgc 47

 <210> 389
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 <212> DNA
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 <220>
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 <400> 389
 aaagagccac cctctcctgc aggg 24

 <210> 390
 <211> 19
 <212> DNA
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 <220>
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 <400> 390

tccaggcacc ctgtctttg	1900A-WO_SEQ_ST25	19	
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<210> 396 <211> 22 <212> DNA <213> Artificial			

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<220>
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 <400> 396
 gcagactgga gcctgaagat tt 22

<210> 397
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 <220>
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 <400> 397
 ccgaacgtcc aagtgagtg 20

<210> 398
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 <220>
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<220>
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 <222> (1)..(21)

 <400> 398
 cag cag tat ggt agc tca cct
 Gln Gln Tyr Gly Ser Ser Pro 21
 1 5

<210> 399
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 <212> PRT
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 <220>
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 <400> 399
 Gln Gln Tyr Gly Ser Ser Pro
 1 5

<210> 400
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 <400> 400
 cat cac cat ggt cac tca cct
 His His His Gly His Ser Pro 21

1

5

<210> 401
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<220>
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<400> 401

His His His Gly His Ser Pro
 1 5

<210> 402
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 <213> Artificial

<220>
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<220>
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 <222> (1)..(21)

<400> 402
 cat cac tat ggt cac tca cct
 His His Tyr Gly His Ser Pro
 1 5

21

<210> 403
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 <212> PRT
 <213> Artificial

<220>
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<400> 403

His His Tyr Gly His Ser Pro
 1 5

<210> 404
 <211> 108
 <212> PRT
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<220>
 <223> Synthetic

<400> 404

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
 20 25 30

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

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

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

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

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

<210> 405
 <211> 50
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic

<400> 405
 caacttacta ctgtcaacag agttacagta cccctccgat caccttcggc

50