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<130> 32669-40317/WO

<140> PCT/US2018/031696

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<150> 62/590,163

<151> 2017-11-22

<150> 62/523,201

<151> 2017-06-21

<150> 62/503,283

<151> 2017-05-08

<160> 193

<170> PatentIn versión 3.5

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sintético

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Arg Ala Ser Gln Ser Ile Asn Ser Tyr Leu Asp Trp Tyr Gln Gln Lys
20 25 30

Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser Leu Gln
35 40 45

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
50 55 60

Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr
65 70 75 80

Cys Gln Gln Tyr Tyr Ser Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
85 90 95

Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
100 105 110

Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
115 120 125

Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val
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<211> 167

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<213> Secuencia artificial

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sintético

<400> 17

Gly Val Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser
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Gly Phe Thr Phe Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro

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25

30

Gly Lys Gly Leu Glu Trp Val Ala Val Ile Trp Tyr Asp Gly Ser Asn
 35 40 45

Lys Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
 50 55 60

Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu
 65 70 75 80

Asp Thr Ala Val Tyr Tyr Cys Ala Arg Asp Pro Arg Gly Ala Thr Leu
 85 90 95

Tyr Tyr Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val
 100 105 110

Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala
 115 120 125

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

Ala Leu Thr Ser Gly Val His
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<210> 18

<211> 10

<212> PRT

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<223> Descripción de Secuencia artificial: Péptido
 sintético

<400> 18

Gly Phe Thr Phe Ser Ser Tyr Gly Met His
 1 5 10

<210> 19

<211> 15
<212> PRT
<213> Secuencia artificial

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<223> Descripción de Secuencia artificial: Péptido sintético

<400> 19

Val	Ile	Trp	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	Ala	Asp	Ser	Val
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<211> 16

<212> PRT

<213> Secuencia artificial

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<223> Descripción de Secuencia artificial: Péptido sintético

<400> 20

Asp	Pro	Arg	Gly	Ala	Thr	Leu	Tyr	Tyr	Tyr	Tyr	Tyr	Gly	Met	Asp	Val
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<210> 21

<211> 11

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 21

Arg	Ala	Ser	Gln	Ser	Ile	Asn	Ser	Tyr	Leu	Asp
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<210> 22

<211> 7

<212> PRT

<213> Secuencia artificial

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<223> Descripción de Secuencia artificial: Péptido sintético

<400> 22

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<210> 23
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sintético

<400> 23
Gln Gln Tyr Tyr Ser Thr Pro Phe Thr
1 5

<210> 24
<211> 108
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sintético

<400> 24
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 Arg 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 Asp 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 Leu Pro
85 90 95

Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 25

<211> 121
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<220>

<223> Descripción de Secuencia artificial: Polipéptido
sintético

<400> 25

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg Tyr
20 25 30

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

Ala Asn Ile Lys Gln Asp Gly Ser Glu Lys Tyr Tyr Val Asp Ser Val
50 55 60

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

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

Ala Arg Glu Gly Gly Trp Phe Gly Glu Leu Ala Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
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<210> 26

<211> 5

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<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 26

Arg Tyr Trp Met Ser
1 5

<210> 27
<211> 17
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<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 27
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1 5 10 15

Gly

<210> 28
<211> 12
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<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 28
Glu Gly Gly Trp Phe Gly Glu Leu Ala Phe Asp Tyr
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<210> 29
<211> 12
<212> PRT
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sintético

<400> 29
Arg Ala Ser Gln Arg Val Ser Ser Ser Tyr Leu Ala
1 5 10

<210> 30
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<223> Descripción de Secuencia artificial: Péptido

sintético

<400> 30

Asp Ala Ser Ser Arg Ala Thr
1 5

<210> 31

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 31

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<210> 32

<211> 2019

<212> ADN

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<223> Descripción de Secuencia artificial: Polinucleótido
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<400> 32

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cccgaaatgg aacaacgaaa ccaccagcc ccagatcgcc aactgcagcg tgtatgactt	1680
ttttgtgtgg ctccattatt attctgttcg agacacactt tggccaaggg tgacctacca	1740
tatgaacaaa tatgcgtatc atatgctgga aagacgagcc aaatataaaa gaggaccagg	1800
acctggcgct aaatttgtgg ccgcctggac actgaaagcc gctgctggtc ctggacctgg	1860
ccagtacatc aaggccaaca gcaagttcat cggcatcacc gaactcggac ccggaccagg	1920
ctgatgattt cgaaatttaa ataagcttgc ggccgctagg gataacaggg taattatcac	1980
gcccaaacat ttacagccgc ggtgtcaaaa accgcgtgg	2019

<210> 33

<211> 619

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 33

Met Gln Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu
1 5 10 15

Val Glu Pro Ser Asp Thr Ile Glu Asn Val Lys Ala Lys Ile Gln Asp
20 25 30

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

Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
50 55 60

Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Ala Met Phe Gln Ala
65 70 75 80

Leu Ser Glu Gly Cys Thr Pro Tyr Asp Ile Asn Gln Met Leu Asn Val
85 90 95

Leu Gly Asp His Gln Val Ser Gly Leu Glu Gln Leu Glu Ser Ile Ile
100 105 110

Asn Phe Glu Lys Leu Thr Glu Trp Thr Ser Ser Asn Val Met Pro Ile
115 120 125

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

Val Pro Ser Glu Arg Gly Leu Ser Cys Ile Ser Glu Ala Asp Ala Thr
145 150 155 160

Thr Pro Glu Ser Ala Asn Leu Gly Glu Glu Ile Leu Ser Gln Leu Tyr
165 170 175

Leu Trp Pro Arg Val Thr Tyr His Ser Pro Ser Tyr Ala Tyr His Gln
180 185 190

Phe Glu Arg Arg Ala Lys Tyr Lys Arg His Phe Pro Gly Phe Gly Gln
195 200 205

Ser Leu Leu Phe Gly Tyr Pro Val Tyr Val Phe Gly Asp Cys Val Gln
210 215 220

Gly Asp Trp Asp Ala Ile Arg Phe Arg Tyr Cys Ala Pro Pro Gly Tyr
225 230 235 240

Ala Leu Leu Arg Cys Asn Asp Thr Asn Tyr Ser Ala Leu Leu Ala Val
245 250 255

Gly Ala Leu Glu Gly Pro Arg Asn Gln Asp Trp Leu Gly Val Pro Arg
260 265 270

Gln Leu Val Thr Arg Met Gln Ala Ile Gln Asn Ala Gly Leu Cys Thr
275 280 285

Leu Val Ala Met Leu Glu Glu Thr Ile Phe Trp Leu Gln Ala Phe Leu
290 295 300

Met Ala Leu Thr Asp Ser Gly Pro Lys Thr Asn Ile Ile Val Asp Ser
305 310 315 320

Gln Tyr Val Met Gly Ile Ser Lys Pro Ser Phe Gln Glu Phe Val Asp
325 330 335

Trp Glu Asn Val Ser Pro Glu Leu Asn Ser Thr Asp Gln Pro Phe Trp
340 345 350

Gln Ala Gly Ile Leu Ala Arg Asn Leu Val Pro Met Val Ala Thr Val
355 360 365

Gln Gly Gln Asn Leu Lys Tyr Gln Gly Gln Ser Leu Val Ile Ser Ala
370 375 380

Ser Ile Ile Val Phe Asn Leu Leu Glu Leu Glu Gly Asp Tyr Arg Asp
385 390 395 400

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

Ala Trp Val Lys Ala Val Glu Glu Lys Lys Gly Ile Pro Val His Leu
420 425 430

Glu Leu Ala Ser Met Thr Asn Met Glu Leu Met Ser Ser Ile Val His
435 440 445

Gln Gln Val Arg Thr Tyr Gly Pro Val Phe Met Cys Leu Gly Gly Leu
450 455 460

Leu Thr Met Val Ala Gly Ala Val Trp Leu Thr Val Arg Val Leu Glu
465 470 475 480

Leu Phe Arg Ala Ala Gln Leu Ala Asn Asp Val Val Leu Gln Ile Met
485 490 495

Glu Leu Cys Gly Ala Ala Phe Arg Gln Val Cys His Thr Thr Val Pro
500 505 510

Trp Pro Asn Ala Ser Leu Thr Pro Lys Trp Asn Asn Glu Thr Thr Gln
515 520 525

Pro Gln Ile Ala Asn Cys Ser Val Tyr Asp Phe Phe Val Trp Leu His
530 535 540

Tyr Tyr Ser Val Arg Asp Thr Leu Trp Pro Arg Val Thr Tyr His Met
545 550 555 560

Asn Lys Tyr Ala Tyr His Met Leu Glu Arg Arg Ala Lys Tyr Lys Arg
565 570 575

Gly Pro Gly Pro Gly Ala Lys Phe Val Ala Ala Trp Thr Leu Lys Ala
580 585 590

Ala Ala Gly Pro Gly Pro Gly Gln Tyr Ile Lys Ala Asn Ser Lys Phe
595 600 605

Ile Gly Ile Thr Glu Leu Gly Pro Gly Pro Gly
610 615

<210> 34

<211> 1638

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido
sintético

<400> 34

atggccggga tgttccaggc actgtccgaa ggctgcacac cctatgatat taaccagatg	60
ctgaatgtcc tgggagacca ccaggtctct ggcctggagc agctggagag catcatcaac	120
ttcgagaagc tgaccgagtg gacaagctcc aatgtgatgc ctatcctgtc cccactgacc	180
aagggcatcc tgggcttcgt gtttaccctg acagtgcctt ctgagcgggg cctgtcttgc	240
atcagcgagg cagacgcaac cacaccagag tccgccaatc tgggcgagga gatcctgtct	300
cagctgtacc tgtggccccg ggtgacatat cactccccctt cttacgccta tcaccagttc	360
gagcggagag ccaagtacaa gagacacttc ccaggctttg gccagtctct gctgttcggc	420
taccccgtgt acgtgttcgg cgattgcgtg cagggcgact gggatgccat ccggtttaga	480
tactgcgac cacctggata tgcactgctg aggtgtaacg acaccaatta ttccgccctg	540
ctggcagtgg gcgccctgga gggccctcgc aatcaggatt ggctgggcgt gccaaggcag	600
ctggtgacac gcatgcaggc catccagaac gcaggcctgt gcaccctggg ggcaatgctg	660
gaggagacaa tcttctggct gcaggccttt ctgatggccc tgaccgacag cggccccaag	720
acaaacatca tcgtggattc ccagtacgtg atgggcatct ccaagccttc tttccaggag	780
tttgtggact gggagaacgt gagcccagag ctgaattcca ccgatcagcc attctggcag	840
gcaggaatcc tggcaaggaa cctggtgcct atggtggcca cagtgcaggg ccagaatctg	900
aagtaccagg gccagagcct ggtcatcagc gcctccatca tcgtgtttta cctgctggag	960
ctggagggcg actatcggga cgatggcaac gtgtgggtgc acaccact gagccccaga	1020
acactgaacg cctgggtgaa ggccgtggag gagaagaagg gcatcccagt gcacctggag	1080
ctggcctcca tgaccaatat ggagctgatg tctagcatcg tgcaccagca ggtgaggaca	1140
tacggacccg tgttcatgtg cctgggaggc ctgctgacca tgggtggcagg agccgtgtgg	1200
ctgacagtgc ggggtgctgga gctgttcaga gccgcccagc tggccaacga tgtggtgctg	1260
cagatcatgg agctgtgcgg agcagccttt cgccagggtgt gccacaccac agtgccatgg	1320
cccaatgcct ccctgacccc caagtggaac aatgagacaa cacagcctca gatcgccaac	1380
tgtagcgtgt acgacttctt cgtgtggctg cactactata gcgtgaggga taccctgtgg	1440

ccccgcgtga cataccacat gaataagtac gcctatcaca tgctggagag gcgcgccaag	1500
tataagagag gccctggccc aggcgcaaag tttgtggcag catggaccct gaaggccgcc	1560
gccggccccc gccccggcca gtatatcaag gctaacagta agttcattgg aatcacagag	1620
ctgggacccg gacctgga	1638

<210> 35
 <211> 546
 <212> PRT
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 35
 Met Ala Gly Met Phe Gln Ala Leu Ser Glu Gly Cys Thr Pro Tyr Asp
 1 5 10 15

Ile Asn Gln Met Leu Asn Val Leu Gly Asp His Gln Val Ser Gly Leu
 20 25 30

Glu Gln Leu Glu Ser Ile Ile Asn Phe Glu Lys Leu Thr Glu Trp Thr
 35 40 45

Ser Ser Asn Val Met Pro Ile Leu Ser Pro Leu Thr Lys Gly Ile Leu
 50 55 60

Gly Phe Val Phe Thr Leu Thr Val Pro Ser Glu Arg Gly Leu Ser Cys
 65 70 75 80

Ile Ser Glu Ala Asp Ala Thr Thr Pro Glu Ser Ala Asn Leu Gly Glu
 85 90 95

Glu Ile Leu Ser Gln Leu Tyr Leu Trp Pro Arg Val Thr Tyr His Ser
 100 105 110

Pro Ser Tyr Ala Tyr His Gln Phe Glu Arg Arg Ala Lys Tyr Lys Arg
 115 120 125

His Phe Pro Gly Phe Gly Gln Ser Leu Leu Phe Gly Tyr Pro Val Tyr
 130 135 140

Val Phe Gly Asp Cys Val Gln Gly Asp Trp Asp Ala Ile Arg Phe Arg
145 150 155 160

Tyr Cys Ala Pro Pro Gly Tyr Ala Leu Leu Arg Cys Asn Asp Thr Asn
165 170 175

Tyr Ser Ala Leu Leu Ala Val Gly Ala Leu Glu Gly Pro Arg Asn Gln
180 185 190

Asp Trp Leu Gly Val Pro Arg Gln Leu Val Thr Arg Met Gln Ala Ile
195 200 205

Gln Asn Ala Gly Leu Cys Thr Leu Val Ala Met Leu Glu Glu Thr Ile
210 215 220

Phe Trp Leu Gln Ala Phe Leu Met Ala Leu Thr Asp Ser Gly Pro Lys
225 230 235 240

Thr Asn Ile Ile Val Asp Ser Gln Tyr Val Met Gly Ile Ser Lys Pro
245 250 255

Ser Phe Gln Glu Phe Val Asp Trp Glu Asn Val Ser Pro Glu Leu Asn
260 265 270

Ser Thr Asp Gln Pro Phe Trp Gln Ala Gly Ile Leu Ala Arg Asn Leu
275 280 285

Val Pro Met Val Ala Thr Val Gln Gly Gln Asn Leu Lys Tyr Gln Gly
290 295 300

Gln Ser Leu Val Ile Ser Ala Ser Ile Ile Val Phe Asn Leu Leu Glu
305 310 315 320

Leu Glu Gly Asp Tyr Arg Asp Asp Gly Asn Val Trp Val His Thr Pro
325 330 335

Leu Ser Pro Arg Thr Leu Asn Ala Trp Val Lys Ala Val Glu Glu Lys
340 345 350

Lys Gly Ile Pro Val His Leu Glu Leu Ala Ser Met Thr Asn Met Glu

355

360

365

Leu Met Ser Ser Ile Val His Gln Gln Val Arg Thr Tyr Gly Pro Val
 370 375 380

Phe Met Cys Leu Gly Gly Leu Leu Thr Met Val Ala Gly Ala Val Trp
 385 390 395 400

Leu Thr Val Arg Val Leu Glu Leu Phe Arg Ala Ala Gln Leu Ala Asn
 405 410 415

Asp Val Val Leu Gln Ile Met Glu Leu Cys Gly Ala Ala Phe Arg Gln
 420 425 430

Val Cys His Thr Thr Val Pro Trp Pro Asn Ala Ser Leu Thr Pro Lys
 435 440 445

Trp Asn Asn Glu Thr Thr Gln Pro Gln Ile Ala Asn Cys Ser Val Tyr
 450 455 460

Asp Phe Phe Val Trp Leu His Tyr Tyr Ser Val Arg Asp Thr Leu Trp
 465 470 475 480

Pro Arg Val Thr Tyr His Met Asn Lys Tyr Ala Tyr His Met Leu Glu
 485 490 495

Arg Arg Ala Lys Tyr Lys Arg Gly Pro Gly Pro Gly Ala Lys Phe Val
 500 505 510

Ala Ala Trp Thr Leu Lys Ala Ala Ala Gly Pro Gly Pro Gly Gln Tyr
 515 520 525

Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu Gly Pro Gly
 530 535 540

Pro Gly
 545

<210> 36

<211> 2019

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido sintético

<400> 36

gcccgggcat ttaaatgcga tcgcatcgat tacgactcta gaatagtcta gtccgcaggc	60
caccatgcag atcttcgtga agaccctgac cggcaagacc atcaccctag aggtggagcc	120
cagtgcacc atcgagaacg tgaaggccaa gatccaggat aaagagggca tccccctga	180
ccagcagagg ctgatctttg ccggcaagca gctggaagat ggccgcaccc tctctgatta	240
caacatccag aaggagtcaa ccctgcacct ggtccttcgc ctgagagggtg ccatgtttca	300
ggcgctgagc gaaggctgca ccccgatatga tattaaccag atgctgaacg tgctgggcca	360
tcatcagttt aagcacatca aagcctttga ccggacattt gctaacaacc cagggtcccat	420
ggttgtgttt gccacacctg ggcctatcct gtctcctctg acaaaggcca tcctgggctt	480
cgtgtttacc ctgaccgtgc cttctgagag aggacttagc tgcattagcg aagcggatgc	540
gaccaccccg gaaagcgca acctgggcca agaaattctg agccagctgt atctttggcc	600
aagggtgacc taccattccc ctagttatgc ttaccaccaa tttgaaagac gagccaaata	660
taaaagacac ttccccggct ttggccagag cctgctgttt ggctaccctg tgtacgtgtt	720
cggcgattgc gtgcaggcg attgggatgc gattcgcttt cgctattgcg cgccgccggg	780
ctatgcgctg ctgcgctgca acgataccaa ctatagcgct ctgctggctg tgggggccct	840
agaaggaccc aggaatcagg actggcttgg tgtcccaaga caacttgtaa ctcggatgca	900
ggctattcag aatgccggcc tgtgtaccct ggtggccatg ctggaagaga caatcttctg	960
gctgcaagcg tttctgatgg cgctgaccga tagcggccccg aaaaccaaca ttattgtgga	1020
tagccagtat gtgatgggca ttagcaaacc gagctttcag gaatttgtgg attgggaaaa	1080
cgtgagcccc gaactgaaca gcaccgatca gccgttttgg caagccggaa tcctggccag	1140
aaatctggtg cctatggtgg ccacagtgc gggccagaac ctgaagtacc agggtcagtc	1200
actagtcatc tctgcttcta tcattgtctt caacctgctg gaactggaag gtgattatcg	1260
agatgatggc aacgtgtggg tgcatacccc gctgagccccg cgcaccctga acgctgggt	1320
gaaagcggtg gaagaaaaaa aaggtattcc agttcaccta gagctggcca gtatgaccaa	1380
catggagctc atgagcagta ttgtgcatca gcaggtcaga acatacggcc ccgtgttcat	1440

gtgtctcggc ggactgctta caatgggtggc tgggtgctgtg tggctgacag tgcgagtgt	1500
cgagctgttc cgggccgcgc agctggccaa cgacgtggtc ctccagatca tggagctttg	1560
tgggtgcagcg tttcgccagg tgtgccatac caccgtgccg tggccgaacg cgagcctgac	1620
cccgaaatgg aacaacgaaa ccacccagcc ccagatcgcc aactgcagcg tgtatgactt	1680
ttttgtgtgg ctccattatt attctgttcg agacacactt tggccaaggg tgacctacca	1740
tatgaacaaa tatgcgtatc atatgctgga aagacgagcc aaatataaaa gaggaccagg	1800
acctggcgct aaatttgtgg ccgcctggac actgaaagcc gctgctggtc ctggacctgg	1860
ccagtacatc aaggccaaca gcaagttcat cggcatcacc gaactcggac ccggaccagg	1920
ctgatgattt cgaaatttaa ataagcttgc ggccgctagg gataacaggg taattatcac	1980
gcccaaacat ttacagccgc ggtgtcaaaa accgcgtgg	2019

<210> 37

<211> 619

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 37

Met	Gln	Ile	Phe	Val	Lys	Thr	Leu	Thr	Gly	Lys	Thr	Ile	Thr	Leu	Glu
1				5					10					15	

Val	Glu	Pro	Ser	Asp	Thr	Ile	Glu	Asn	Val	Lys	Ala	Lys	Ile	Gln	Asp
			20					25					30		

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

Gln	Leu	Glu	Asp	Gly	Arg	Thr	Leu	Ser	Asp	Tyr	Asn	Ile	Gln	Lys	Glu
	50					55					60				

Ser	Thr	Leu	His	Leu	Val	Leu	Arg	Leu	Arg	Gly	Ala	Met	Phe	Gln	Ala
65					70					75				80	

Leu	Ser	Glu	Gly	Cys	Thr	Pro	Tyr	Asp	Ile	Asn	Gln	Met	Leu	Asn	Val
				85					90					95	

Leu Gly Asp His Gln Phe Lys His Ile Lys Ala Phe Asp Arg Thr Phe
100 105 110

Ala Asn Asn Pro Gly Pro Met Val Val Phe Ala Thr Pro Gly Pro Ile
115 120 125

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

Val Pro Ser Glu Arg Gly Leu Ser Cys Ile Ser Glu Ala Asp Ala Thr
145 150 155 160

Thr Pro Glu Ser Ala Asn Leu Gly Glu Glu Ile Leu Ser Gln Leu Tyr
165 170 175

Leu Trp Pro Arg Val Thr Tyr His Ser Pro Ser Tyr Ala Tyr His Gln
180 185 190

Phe Glu Arg Arg Ala Lys Tyr Lys Arg His Phe Pro Gly Phe Gly Gln
195 200 205

Ser Leu Leu Phe Gly Tyr Pro Val Tyr Val Phe Gly Asp Cys Val Gln
210 215 220

Gly Asp Trp Asp Ala Ile Arg Phe Arg Tyr Cys Ala Pro Pro Gly Tyr
225 230 235 240

Ala Leu Leu Arg Cys Asn Asp Thr Asn Tyr Ser Ala Leu Leu Ala Val
245 250 255

Gly Ala Leu Glu Gly Pro Arg Asn Gln Asp Trp Leu Gly Val Pro Arg
260 265 270

Gln Leu Val Thr Arg Met Gln Ala Ile Gln Asn Ala Gly Leu Cys Thr
275 280 285

Leu Val Ala Met Leu Glu Glu Thr Ile Phe Trp Leu Gln Ala Phe Leu
290 295 300

Met Ala Leu Thr Asp Ser Gly Pro Lys Thr Asn Ile Ile Val Asp Ser
305 310 315 320

Gln Tyr Val Met Gly Ile Ser Lys Pro Ser Phe Gln Glu Phe Val Asp
325 330 335

Trp Glu Asn Val Ser Pro Glu Leu Asn Ser Thr Asp Gln Pro Phe Trp
340 345 350

Gln Ala Gly Ile Leu Ala Arg Asn Leu Val Pro Met Val Ala Thr Val
355 360 365

Gln Gly Gln Asn Leu Lys Tyr Gln Gly Gln Ser Leu Val Ile Ser Ala
370 375 380

Ser Ile Ile Val Phe Asn Leu Leu Glu Leu Glu Gly Asp Tyr Arg Asp
385 390 395 400

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

Ala Trp Val Lys Ala Val Glu Glu Lys Lys Gly Ile Pro Val His Leu
420 425 430

Glu Leu Ala Ser Met Thr Asn Met Glu Leu Met Ser Ser Ile Val His
435 440 445

Gln Gln Val Arg Thr Tyr Gly Pro Val Phe Met Cys Leu Gly Gly Leu
450 455 460

Leu Thr Met Val Ala Gly Ala Val Trp Leu Thr Val Arg Val Leu Glu
465 470 475 480

Leu Phe Arg Ala Ala Gln Leu Ala Asn Asp Val Val Leu Gln Ile Met
485 490 495

Glu Leu Cys Gly Ala Ala Phe Arg Gln Val Cys His Thr Thr Val Pro
500 505 510

Trp Pro Asn Ala Ser Leu Thr Pro Lys Trp Asn Asn Glu Thr Thr Gln
515 520 525

Pro Gln Ile Ala Asn Cys Ser Val Tyr Asp Phe Phe Val Trp Leu His
530 535 540

Tyr Tyr Ser Val Arg Asp Thr Leu Trp Pro Arg Val Thr Tyr His Met
545 550 555 560

Asn Lys Tyr Ala Tyr His Met Leu Glu Arg Arg Ala Lys Tyr Lys Arg
565 570 575

Gly Pro Gly Pro Gly Ala Lys Phe Val Ala Ala Trp Thr Leu Lys Ala
580 585 590

Ala Ala Gly Pro Gly Pro Gly Gln Tyr Ile Lys Ala Asn Ser Lys Phe
595 600 605

Ile Gly Ile Thr Glu Leu Gly Pro Gly Pro Gly
610 615

<210> 38

<211> 228

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido
sintético

<400> 38

atgcagatct tcgtgaagac cctgaccggc aagaccatca ccctagaggt ggagcccagt 60

gacaccatcg agaacgtgaa ggccaagatc caggataaag agggcatccc ccctgaccag 120

cagaggctga tctttgccgg caagcagctg gaagatggcc gcaccctctc tgattacaac 180

atccagaagg agtcaaccct gcacctggtc cttcgctga gaggtggc 228

<210> 39

<211> 228

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido
sintético

<400> 39
atgcagatct tcgtgaagac cctgaccggc aagaccatca ccctagaggt ggagcccagt 60
gacaccatcg agaacgtgaa ggccaagatc caggataaag agggcatccc ccctgaccag 120
cagaggctga tctttgccgg caagcagctg gaagatggcc gcaccctctc tgattacaac 180
atccagaagg agtcaaccct gcacctggtc cttgcctga gaggtgcc 228

<210> 40
<211> 78
<212> ADN
<213> Homo sapiens

<400> 40
atggccgtca tggcgccccg aaccctcgtc ctgctactct cgggggctct ggccctgacc 60
cagacctggg cgggctct 78

<210> 41
<211> 201
<212> ADN
<213> Homo sapiens

<400> 41
ccgtcttccc agcccacat cccatcgctg ggcatcattg ctggcctggt tctctttgga 60
gctgtgatca ctggagctgt ggtcgctgct gtgatgtgga ggaggaagag ctcatataga 120
aaaggaggga gctactctca ggctgcaagc agtgacagtg cccagggctc tgatgtgtct 180
ctcacagctt gtaaagtgtg a 201

<210> 42
<211> 60
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Oligonucleótido sintético

<400> 42
atggagaccg atacactgct gctgtgggtg ctgctcctgt gggtgccagg aagcacaggc 60

<210> 43
<211> 3178
<212> ADN
<213> Homo sapiens

<400> 43

ggcaccgatt cggggcctgc cgggacttcg ccgcacgctg cagaacctcg cccagcgccc	60
accatgcccc ggcagctcag cgcggcggcc gcgctcttcg cgtccctggc cgtaattttg	120
cacgatggca gtcaaagag agcaaaagca tttccagaaa ccagagatta ttctcaacct	180
actgcagcag caacagtaca ggacataaaa aaacctgtcc agcaaccagc taagcaagca	240
cctcacaaa ctttagcagc aagattcatg gatggtcata tcacctttca aacagcggcc	300
acagtaaaaa ttccaacaac taccacagca actacaaaaa aactgcaac caccagccca	360
attacctaca ccctgggtcac aaccagggcc acaccaaca actcacacac agtcctcca	420
gttactgaag ttacagtcgg ccctagctta gccccttatt cactgccacc caccatcacc	480
ccaccagctc atacagctgg aaccagttca tcaaccgtca gccacacaac tgggaacacc	540
actcaacca gtaaccagac cacccttcca gcaactttat cgatagcact gcacaaaagc	600
acaaccggtc agaagcctga tcaaccacc catgccccag gaacaacggc agctgcccac	660
aataccacc gcacagctgc acctgcctcc acggttcctg ggcccaccct tgcacctcag	720
ccatcgtcag tcaagactgg aatttatcag gttctaaacg gaagcagact ctgtataaaa	780
gcagagatgg ggatacagct gattgttcaa gacaaggagt cggttttttc acctcggaga	840
tacttcaaca tcgaccccaa cgcaacgcaa gcctctggga actgtggcac ccgaaaatcc	900
aaccttctgt tgaattttca gggcggatgt gtgaatctca catttaccaa ggatgaagaa	960
tcatattata tcagtgaagt gggagcctat ttgaccgtct cagatccaga gacagtttac	1020
caaggaatca aacatgcggt ggtgatgttc cagacagcag tcgggcattc cttcaagtgc	1080
gtgagtgaac agagcctcca gttgtcagcc cacctgcagg tgaacaacaac cgatgtccaa	1140
cttcaagcct ttgattttga agatgaccac tttggaaatg tggatgagtg ctcgtctgac	1200
tacacaattg tgcttcctgt gattggggcc atcgtgggtg gtctctgcct tatgggtatg	1260
ggtgtctata aaatccgcct aaggtgtcaa tcatctggat accagagaat ctaattgttg	1320
cccgggggga atgaaaataa tggaatttag agaactcttt catcccttcc aggatggatg	1380
ttgggaaatt ccctcagagt gtgggtcctt caaacaatgt aaaccacat cttctattca	1440
aatgaagtga gtcagtgtg atttaagttc aggcagcaca tcaatttcta aatacttttt	1500
gtttatttta tgaaagatat agtgagctgt ttattttcta gtttccttta gaatatttta	1560
gccactcaaa gtcaacattt gagatatgtt gaattaacat aatatatgta aagtagaata	1620

agccttcaaa ttataaacca aggggtcaatt gtaactaata ctactgtgtg tgcattgaag	1680
atttttatfff acccttgatc ttaacaaagc ctttgctttg ttatcaaatg gactttcagt	1740
gcttttacta tctgtgtttt atggtttcat gtaacataca tattcctggg tagcactta	1800
actccttttc cacttttaat ttgtttttgt tttttgagac ggagtttcac tcttgtcacc	1860
caggctggag tacagtggca cgatctcggc ttatggcaac ctccgcctcc cgggttcaag	1920
tgattctcct gcttcagctt cccgagtagc tgggattaca ggcacacact accacgcctg	1980
gctaattttt gtatfffat tatagacggg tttcaccatg ttggccagac tggctttgaa	2040
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<210> 44
<211> 1858
<212> ADN
<213> Mus sp.

<400> 44

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tacagtgtcc agcatatgta ttttacatat aacttgtcag atacagaaca ttttcccaat	300
gccatcagca aagagatcta caccatggat tccacaactg acatcaaggc agacatcaac	360
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<210> 45

<211> 2339

<212> ADN

<213> Homo sapiens

<400> 45

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<210> 46

<211> 45

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Oligonucleótido sintético

<400> 46
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<210> 47
<211> 15
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 47
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1 5 10 15

<210> 48
<211> 39
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Oligonucleótido
sintético

<400> 48
gctaaatttg tggctgcctg gacactgaaa gccgccgct 39

<210> 49
<211> 13
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 49
Ala Lys Phe Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
1 5 10

<210> 50
<211> 593
<212> ADN
<213> Virus de hepatitis de la marmota

<400> 50
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ccttttacgc tatgtggata cgctgcttta atgcctttgt atcatgctat tgcttcccgt	120
atggcctttca ttttctcctc cttgtataaa tcctgggtgc tgtctcttta tgaggagttg	180
tggcccgttg tcaggcaacg tggcgtggtg tgcaactgtgt ttgctgacgc aacccccact	240
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gcctgtgttg ccacctggat tctgcgcggg acgtccttct gctacgtccc ttcggccctc	480
aatccagcgg accttccttc ccgcggcctg ctgccggctc tgcggcctct tccgcgtctt	540
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<210> 51

<211> 589

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido sintético

<400> 51

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gtgaggggccc ggaaacctgg ccctgtcttc ttgacgagca ttcctagggg tctttcccct	180
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gggcctcggg gcacatgctt tacatgtgtt tagtcgagg taaaaaacg tctaggcccc	540
ccgaaccacg gggacgtggt tttcctttga aaaacacgat gataatatg	589

<210> 52

<211> 720

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido sintético

<400> 52

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ggcgacgtaa acggccacaa gttcagcgtg tccggcgagg gcgagggcga tgccacctac	120
ggcaagctga ccctgaagtt catctgcacc accggcaagc tgcccgtgcc ctggcccacc	180
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gaccactacc agcagaacac ccccatcggc gacggccccg tgctgctgcc cgacaaccac	600
tacctgagca cccagtccgc cctgagcaaa gacccaacg agaagcgga tcacatggtc	660
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<210> 53

<211> 1563

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido sintético

<400> 53

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aagaagctgc agcctgcaca gacagccgcc aagaacctca tcatcttcct gggcgatggg	180
atgggggtgt ctacggtgac agctgccagg atcctaaaag ggcagaagaa ggacaaactg	240
gggcctgaga taccctggc catggaccgc ttcccatatg tggctctgtc caagacatac	300
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aagggaact tccagaccat tggcttgagt gcagccgcc gctttaacca gtgcaacacg	420

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ttcgccgcct gcctggagcc ctacaccgcc tgcgacctgg cggccccgc cggcaccacc	1500
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taa	1563

<210> 54

<211> 1653

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polinucleótido sintético

<400> 54

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aaggccaaga agggcggcaa gatcgccgtg taa	1653

<210> 55
<211> 66
<212> ADN
<213> Virus de la glosopeda

<400> 55
gtaaagcaaa cactgaactt tgaccttctc aagttggctg gagacgttga gtccaatcct 60
gggccc 66

<210> 56
<211> 5
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 56
Gly Pro Gly Pro Gly
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<210> 57
<211> 8
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 57
Ser Ile Ile Asn Phe Glu Lys Leu
1 5

<210> 58
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 58
Ser Pro Ser Tyr Ala Tyr His Gln Phe
1 5

<210> 59
<211> 10
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 59

Tyr Val Tyr Val Ala Asp Val Ala Ala Lys
1 5 10

<210> 60

<211> 8

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 60

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1 5

<210> 61

<211> 17

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 61

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Phe

<210> 62

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 62
Tyr Glu Met Phe Asn Asp Lys Ser Phe
1 5

<210> 63
<211> 11
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Pirrolisina

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Ile o Leu

<400> 63
His Arg Xaa Glu Ile Phe Ser His Asp Phe Xaa
1 5 10

<210> 64
<211> 10
<212> PRT
<213> Secuencia artificial

<220>
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sintético

<220>
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<222> (2)..(2)
<223> Ile o Leu

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<222> (5)..(5)
<223> Ile o Leu

<220>
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<222> (7)..(7)

<223> Pirrolisina

<400> 64

Phe Xaa Ile Glu Xaa Phe Xaa Glu Ser Ser
1 5 10

<210> 65

<211> 10

<212> PRT

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<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<220>

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<222> (4)..(4)

<223> Pirrolisina

<400> 65

Asn Glu Ile Xaa Arg Glu Ile Arg Glu Ile
1 5 10

<210> 66

<211> 15

<212> PRT

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sintético

<220>

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<222> (1)..(1)

<223> Ile o Leu

<220>

<221> MOD_RES

<222> (11)..(11)

<223> Ile o Leu

<220>

<221> MOD_RES

<222> (15)..(15)

<223> Selenocisteína

<400> 66

Xaa Phe Lys Ser Ile Phe Glu Met Met Ser Xaa Asp Ser Ser Xaa

1

5

10

15

<210> 67

<211> 13

<212> PRT

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<223> Descripción de Secuencia artificial: Péptido sintético

<220>

<221> MOD_RES

<222> (11)..(11)

<223> Pirrolisina

<400> 67

Lys Asn Phe Leu Glu Asn Phe Ile Glu Ser Xaa Phe Ile

1

5

10

<210> 68

<211> 27

<212> PRT

<213> Secuencia artificial

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<223> Descripción de Secuencia artificial: Péptido sintético

<220>

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<222> (1)..(1)

<223> Ile o Leu

<220>

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<222> (11)..(11)

<223> Ile o Leu

<220>

<221> MOD_RES

<222> (15)..(15)

<223> Selenocisteína

<220>

<221> MOD_RES

<222> (21)..(21)

<223> Ile o Leu

<220>

<221> MOD_RES
<222> (27)..(27)
<223> Ile o Leu

<400> 68

Xaa	Phe	Lys	Ser	Ile	Phe	Glu	Met	Met	Ser	Xaa	Asp	Ser	Ser	Xaa	Ile
1				5					10					15	

Phe	Leu	Lys	Ser	Xaa	Phe	Ile	Glu	Ile	Phe	Xaa
			20				25			

<210> 69
<211> 15
<212> PRT
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<220>

<221> MOD_RES
<222> (2)..(2)
<223> Pirrolisina

<220>

<221> MOD_RES
<222> (14)..(14)
<223> Ile o Leu

<400> 69

Phe	Xaa	Glu	Ile	Phe	Asn	Asp	Lys	Ser	Leu	Asp	Lys	Phe	Xaa	Ile
1				5					10					15

<210> 70
<211> 9
<212> PRT
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<223> Descripción de Secuencia artificial: Péptido sintético

<220>

<221> MOD_RES
<222> (5)..(5)
<223> Pirrolisina

<400> 70

Gln Cys Glu Ile Xaa Trp Ala Arg Glu
1 5

<210> 71
<211> 8
<212> PRT
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<220>
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sintético

<220>
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<222> (4)..(4)
<223> Selenocisteína

<400> 71
Phe Ile Glu Xaa His Phe Trp Ile
1 5

<210> 72
<211> 12
<212> PRT
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sintético

<220>
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<222> (7)..(7)
<223> Ile o Leu

<220>
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<222> (10)..(10)
<223> Selenocisteína

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Ile o Leu

<400> 72
Phe Glu Trp Arg His Arg Xaa Thr Arg Xaa Xaa Arg
1 5 10

<210> 73
<211> 9
<212> PRT
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<220>
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<220>
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<223> Ile o Leu

<220>
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<222> (5)..(5)
<223> Pirrolisina

<220>
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<222> (8)..(8)
<223> Ile o Leu

<400> 73
Gln Ile Glu Xaa Xaa Glu Ile Xaa Glu
1 5

<210> 74
<211> 14
<212> PRT
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<220>
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<220>
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<222> (2)..(2)
<223> Ile o Leu

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Pirrolisina

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Ile o Leu

<400> 74

Phe Xaa Glu Leu Phe Ile Ser Asx Xaa Ser Xaa Phe Ile Glu
1 5 10

<210> 75

<211> 16

<212> PRT

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sintético

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<222> (5)..(5)

<223> Pirrolisina

<220>

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<222> (16)..(16)

<223> Ile o Leu

<400> 75

Gln Cys Glu Ile Xaa Trp Ala Arg Glu Phe Leu Lys Glu Ile Gly Xaa
1 5 10 15

<210> 76

<211> 11

<212> PRT

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sintético

<220>

<221> MOD_RES

<222> (5)..(5)

<223> Pirrolisina

<220>

<221> MOD_RES

<222> (9)..(9)

<223> Ile o Leu

<400> 76

Ile Glu Phe Arg Xaa Glu Ile Phe Xaa Glu Phe
1 5 10

<210> 77
<211> 9
<212> PRT
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sintético

<220>
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<222> (5)..(5)
<223> Pirrolisina

<220>
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<222> (9)..(9)
<223> Ile o Leu

<400> 77
Ile Glu Phe Arg Xaa Glu Ile Phe Xaa
1 5

<210> 78
<211> 9
<212> PRT
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sintético

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<222> (4)..(4)
<223> Pirrolisina

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Ile o Leu

<400> 78
Glu Phe Arg Xaa Glu Ile Phe Xaa Glu
1 5

<210> 79
<211> 9

<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<220>

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<222> (3)..(3)

<223> Pirrolisina

<220>

<221> MOD_RES

<222> (7)..(7)

<223> Ile o Leu

<400> 79

Phe Arg Xaa Glu Ile Phe Xaa Glu Phe
1 5

<210> 80

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 80

Ser Ile Asn Phe Glu Lys Leu
1 5

<210> 81

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 81

Leu Leu Leu Leu Leu Val Val Val Val
1 5

<210> 82

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 82

Glu Lys Leu Ala Ala Tyr Leu Leu Leu
1 5

<210> 83

<211> 10

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 83

Lys Leu Ala Ala Tyr Leu Leu Leu Leu Leu
1 5 10

<210> 84

<211> 8

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 84

Phe Glu Lys Leu Ala Ala Tyr Leu
1 5

<210> 85

<211> 8

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 85

Ala Ala Tyr Leu Leu Leu Leu Leu
1 5

<210> 86

<211> 9
<212> PRT
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<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 86
Tyr Leu Leu Leu Leu Val Val Val
1 5

<210> 87
<211> 10
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 87
Val Val Val Val Ala Ala Tyr Ser Ile Asn
1 5 10

<210> 88
<211> 7
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 88
Val Val Val Val Ala Ala Tyr
1 5

<210> 89
<211> 8
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 89
Ala Tyr Ser Ile Asn Phe Glu Lys
1 5

<210> 90
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 90
Tyr Asn Tyr Ser Tyr Trp Ile Ser Ile Phe Ala His Thr Met Trp Tyr
1 5 10 15

Asn Ile Trp His Val Gln Trp Asn Lys
20 25

<210> 91
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 91
Ile Glu Ala Leu Pro Tyr Val Phe Leu Gln Asp Gln Phe Glu Leu Arg
1 5 10 15

Leu Leu Lys Gly Glu Gln Gly Asn Asn
20 25

<210> 92
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 92
Asp Ser Glu Glu Thr Asn Thr Asn Tyr Leu His Tyr Cys His Phe His
1 5 10 15

Trp Thr Trp Ala Gln Gln Thr Thr Val
20 25

<210> 93
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 93
Gly Met Leu Ser Gln Tyr Glu Leu Lys Asp Cys Ser Leu Gly Phe Ser
1 5 10 15

Trp Asn Asp Pro Ala Lys Tyr Leu Arg
20 25

<210> 94
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 94
Val Arg Ile Asp Lys Phe Leu Met Tyr Val Trp Tyr Ser Ala Pro Phe
1 5 10 15

Ser Ala Tyr Pro Leu Tyr Gln Asp Ala
20 25

<210> 95
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 95
Cys Val His Ile Tyr Asn Asn Tyr Pro Arg Met Leu Gly Ile Pro Phe
1 5 10 15

Ser Val Met Val Ser Gly Phe Ala Met
20 25

<210> 96
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 96
Phe Thr Phe Lys Gly Asn Ile Trp Ile Glu Met Ala Gly Gln Phe Glu
1 5 10 15

Arg Thr Trp Asn Tyr Pro Leu Ser Leu
20 25

<210> 97
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 97
Ala Asn Asp Asp Thr Pro Asp Phe Arg Lys Cys Tyr Ile Glu Asp His
1 5 10 15

Ser Phe Arg Phe Ser Gln Thr Met Asn
20 25

<210> 98
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 98
Ala Ala Gln Tyr Ile Ala Cys Met Val Asn Arg Gln Met Thr Ile Val
1 5 10 15

Tyr His Leu Thr Arg Trp Gly Met Lys
20 25

<210> 99
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 99
Lys Tyr Leu Lys Glu Phe Thr Gln Leu Leu Thr Phe Val Asp Cys Tyr
1 5 10 15

Met Trp Ile Thr Phe Cys Gly Pro Asp
20 25

<210> 100
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 100
Ala Met His Tyr Arg Thr Asp Ile His Gly Tyr Trp Ile Glu Tyr Arg
1 5 10 15

Gln Val Asp Asn Gln Met Trp Asn Thr
20 25

<210> 101
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 101
Thr His Val Asn Glu His Gln Leu Glu Ala Val Tyr Arg Phe His Gln
1 5 10 15

Val His Cys Arg Phe Pro Tyr Glu Asn
20 25

<210> 102
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 102
Gln Thr Phe Ser Glu Cys Leu Phe Phe His Cys Leu Lys Val Trp Asn
1 5 10 15

Asn Val Lys Tyr Ala Lys Ser Leu Lys
20 25

<210> 103
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 103
Ser Phe Ser Ser Trp His Tyr Lys Glu Ser His Ile Ala Leu Leu Met
1 5 10 15

Ser Pro Lys Lys Asn His Asn Asn Thr
20 25

<210> 104
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 104
Ile Leu Asp Gly Ile Met Ser Arg Trp Glu Lys Val Cys Thr Arg Gln
1 5 10 15

Thr Arg Tyr Ser Tyr Cys Gln Cys Ala
20 25

<210> 105
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 105
Tyr Arg Ala Ala Gln Met Ser Lys Trp Pro Asn Lys Tyr Phe Asp Phe
1 5 10 15

Pro Glu Phe Met Ala Tyr Met Pro Ile
20 25

<210> 106
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 106
Pro Arg Pro Gly Met Pro Cys Gln His His Asn Thr His Gly Leu Asn
1 5 10 15

Asp Arg Gln Ala Phe Asp Asp Phe Val
20 25

<210> 107
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 107
His Asn Ile Ile Ser Asp Glu Thr Glu Val Trp Glu Gln Ala Pro His
1 5 10 15

Ile Thr Trp Val Tyr Met Trp Cys Arg
20 25

<210> 108

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 108

Ala	Tyr	Ser	Trp	Pro	Val	Val	Pro	Met	Lys	Trp	Ile	Pro	Tyr	Arg	Ala
1				5					10					15	

Leu	Cys	Ala	Asn	His	Pro	Pro	Gly	Thr
			20					25

<210> 109

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 109

His	Val	Met	Pro	His	Val	Ala	Met	Asn	Ile	Cys	Asn	Trp	Tyr	Glu	Phe
1				5					10					15	

Leu	Tyr	Arg	Ile	Ser	His	Ile	Gly	Arg
			20					25

<210> 110

<211> 484

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido
sintético

<400> 110

Thr	His	Val	Asn	Glu	His	Gln	Leu	Glu	Ala	Val	Tyr	Arg	Phe	His	Gln
1				5					10					15	

Val	His	Cys	Arg	Phe	Pro	Tyr	Glu	Asn	Ala	Met	His	Tyr	Gln	Met	Trp
			20					25					30		

Asn Thr Tyr Arg Ala Ala Gln Met Ser Lys Trp Pro Asn Lys Tyr Phe
35 40 45

Asp Phe Pro Glu Phe Met Ala Tyr Met Pro Ile Cys Val His Ile Tyr
50 55 60

Asn Asn Tyr Pro Arg Met Leu Gly Ile Pro Phe Ser Val Met Val Ser
65 70 75 80

Gly Phe Ala Met Ala Tyr Ser Trp Pro Val Val Pro Met Lys Trp Ile
85 90 95

Pro Tyr Arg Ala Leu Cys Ala Asn His Pro Pro Gly Thr Ala Asn Asp
100 105 110

Asp Thr Pro Asp Phe Arg Lys Cys Tyr Ile Glu Asp His Ser Phe Arg
115 120 125

Phe Ser Gln Thr Met Asn Ile Glu Ala Leu Pro Tyr Val Phe Leu Gln
130 135 140

Asp Gln Phe Glu Leu Arg Leu Leu Lys Gly Glu Gln Gly Asn Asn Asp
145 150 155 160

Ser Glu Glu Thr Asn Thr Asn Tyr Leu His Tyr Cys His Phe His Trp
165 170 175

Thr Trp Ala Gln Gln Thr Thr Val Ile Leu Asp Gly Ile Met Ser Arg
180 185 190

Trp Glu Lys Val Cys Thr Arg Gln Thr Arg Tyr Ser Tyr Cys Gln Cys
195 200 205

Ala Phe Thr Phe Lys Gly Asn Ile Trp Ile Glu Met Ala Gly Gln Phe
210 215 220

Glu Arg Thr Trp Asn Tyr Pro Leu Ser Leu Ser Phe Ser Ser Trp His
225 230 235 240

Tyr Lys Glu Ser His Ile Ala Leu Leu Met Ser Pro Lys Lys Asn His

245

250

255

Asn Asn Thr Gln Thr Phe Ser Glu Cys Leu Phe Phe His Cys Leu Lys
 260 265 270

Val Trp Asn Asn Val Lys Tyr Ala Lys Ser Leu Lys His Val Met Pro
 275 280 285

His Val Ala Met Asn Ile Cys Asn Trp Tyr Glu Phe Leu Tyr Arg Ile
 290 295 300

Ser His Ile Gly Arg His Asn Ile Ile Ser Asp Glu Thr Glu Val Trp
 305 310 315 320

Glu Gln Ala Pro His Ile Thr Trp Val Tyr Met Trp Cys Arg Val Arg
 325 330 335

Ile Asp Lys Phe Leu Met Tyr Val Trp Tyr Ser Ala Pro Phe Ser Ala
 340 345 350

Tyr Pro Leu Tyr Gln Asp Ala Lys Tyr Leu Lys Glu Phe Thr Gln Leu
 355 360 365

Leu Thr Phe Val Asp Cys Tyr Met Trp Ile Thr Phe Cys Gly Pro Asp
 370 375 380

Ala Ala Gln Tyr Ile Ala Cys Met Val Asn Arg Gln Met Thr Ile Val
 385 390 395 400

Tyr His Leu Thr Arg Trp Gly Met Lys Tyr Asn Tyr Ser Tyr Trp Ile
 405 410 415

Ser Ile Phe Ala His Thr Met Trp Tyr Asn Ile Trp His Val Gln Trp
 420 425 430

Asn Lys Gly Met Leu Ser Gln Tyr Glu Leu Lys Asp Cys Ser Leu Gly
 435 440 445

Phe Ser Trp Asn Asp Pro Ala Lys Tyr Leu Arg Pro Arg Pro Gly Met
 450 455 460

Pro Cys Gln His His Asn Thr His Gly Leu Asn Asp Arg Gln Ala Phe
465 470 475 480

Asp Asp Phe Val

<210> 111

<211> 484

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido
sintético

<400> 111

Ile Glu Ala Leu Pro Tyr Val Phe Leu Gln Asp Gln Phe Glu Leu Arg
1 5 10 15

Leu Leu Lys Gly Glu Gln Gly Asn Asn Ile Leu Asp Gly Ile Met Ser
20 25 30

Arg Trp Glu Lys Val Cys Thr Arg Gln Thr Arg Tyr Ser Tyr Cys Gln
35 40 45

Cys Ala His Val Met Pro His Val Ala Met Asn Ile Cys Asn Trp Tyr
50 55 60

Glu Phe Leu Tyr Arg Ile Ser His Ile Gly Arg Thr His Val Asn Glu
65 70 75 80

His Gln Leu Glu Ala Val Tyr Arg Phe His Gln Val His Cys Arg Phe
85 90 95

Pro Tyr Glu Asn Phe Thr Phe Lys Gly Asn Ile Trp Ile Glu Met Ala
100 105 110

Gly Gln Phe Glu Arg Thr Trp Asn Tyr Pro Leu Ser Leu Ala Met His
115 120 125

Tyr Gln Met Trp Asn Thr Ser Phe Ser Ser Trp His Tyr Lys Glu Ser
130 135 140

His Ile Ala Leu Leu Met Ser Pro Lys Lys Asn His Asn Asn Thr Val
145 150 155 160

Arg Ile Asp Lys Phe Leu Met Tyr Val Trp Tyr Ser Ala Pro Phe Ser
165 170 175

Ala Tyr Pro Leu Tyr Gln Asp Ala Gln Thr Phe Ser Glu Cys Leu Phe
180 185 190

Phe His Cys Leu Lys Val Trp Asn Asn Val Lys Tyr Ala Lys Ser Leu
195 200 205

Lys Tyr Arg Ala Ala Gln Met Ser Lys Trp Pro Asn Lys Tyr Phe Asp
210 215 220

Phe Pro Glu Phe Met Ala Tyr Met Pro Ile Ala Tyr Ser Trp Pro Val
225 230 235 240

Val Pro Met Lys Trp Ile Pro Tyr Arg Ala Leu Cys Ala Asn His Pro
245 250 255

Pro Gly Thr Cys Val His Ile Tyr Asn Asn Tyr Pro Arg Met Leu Gly
260 265 270

Ile Pro Phe Ser Val Met Val Ser Gly Phe Ala Met His Asn Ile Ile
275 280 285

Ser Asp Glu Thr Glu Val Trp Glu Gln Ala Pro His Ile Thr Trp Val
290 295 300

Tyr Met Trp Cys Arg Ala Ala Gln Tyr Ile Ala Cys Met Val Asn Arg
305 310 315 320

Gln Met Thr Ile Val Tyr His Leu Thr Arg Trp Gly Met Lys Tyr Asn
325 330 335

Tyr Ser Tyr Trp Ile Ser Ile Phe Ala His Thr Met Trp Tyr Asn Ile
340 345 350

Trp His Val Gln Trp Asn Lys Gly Met Leu Ser Gln Tyr Glu Leu Lys

355

360

365

Asp Cys Ser Leu Gly Phe Ser Trp Asn Asp Pro Ala Lys Tyr Leu Arg
 370 375 380

Lys Tyr Leu Lys Glu Phe Thr Gln Leu Leu Thr Phe Val Asp Cys Tyr
 385 390 395 400

Met Trp Ile Thr Phe Cys Gly Pro Asp Ala Asn Asp Asp Thr Pro Asp
 405 410 415

Phe Arg Lys Cys Tyr Ile Glu Asp His Ser Phe Arg Phe Ser Gln Thr
 420 425 430

Met Asn Asp Ser Glu Glu Thr Asn Thr Asn Tyr Leu His Tyr Cys His
 435 440 445

Phe His Trp Thr Trp Ala Gln Gln Thr Thr Val Pro Arg Pro Gly Met
 450 455 460

Pro Cys Gln His His Asn Thr His Gly Leu Asn Asp Arg Gln Ala Phe
 465 470 475 480

Asp Asp Phe Val

<210> 112

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
 sintético

<400> 112

Ser Ser Thr Pro Tyr Leu Tyr Tyr Gly Thr Ser Ser Val Ser Tyr Gln
 1 5 10 15

Phe Pro Met Val Pro Gly Gly Asp Arg
 20 25

<210> 113

<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 113
Glu Met Ala Gly Lys Ile Asp Leu Leu Arg Asp Ser Tyr Ile Phe Gln
1 5 10 15

Leu Phe Trp Arg Glu Ala Ala Glu Pro
20 25

<210> 114
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 114
Ala Leu Lys Gln Arg Thr Trp Gln Ala Leu Ala His Lys Tyr Asn Ser
1 5 10 15

Gln Pro Ser Val Ser Leu Arg Asp Phe
20 25

<210> 115
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 115
Val Ser Ser His Ser Ser Gln Ala Thr Lys Asp Ser Ala Val Gly Leu
1 5 10 15

Lys Tyr Ser Ala Ser Thr Pro Val Arg
20 25

<210> 116

<211> 25
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 116

Lys	Glu	Ala	Ile	Asp	Ala	Trp	Ala	Pro	Tyr	Leu	Pro	Glu	Tyr	Ile	Asp
1				5					10					15	

His	Val	Ile	Ser	Pro	Gly	Val	Thr	Ser
			20					25

<210> 117

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 117

Ser	Pro	Val	Ile	Thr	Ala	Pro	Pro	Ser	Ser	Pro	Val	Phe	Asp	Thr	Ser
1				5					10					15	

Asp	Ile	Arg	Lys	Glu	Pro	Met	Asn	Ile
			20					25

<210> 118

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 118

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

His	Thr	Phe	Phe	Ile	Gly	Asp	His	Ala
			20					25

<210> 119

<211> 22
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 119
Met Ala Asp Leu Asp Lys Leu Asn Ile His Ser Ile Ile Gln Arg Leu
1 5 10 15

Leu Glu Val Arg Gly Ser
20

<210> 120
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 120
Ala Ala Ala Tyr Asn Glu Lys Ser Gly Arg Ile Thr Leu Leu Ser Leu
1 5 10 15

Leu Phe Gln Lys Val Phe Ala Gln Ile
20 25

<210> 121
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 121
Lys Ile Glu Glu Val Arg Asp Ala Met Glu Asn Glu Ile Arg Thr Gln
1 5 10 15

Leu Arg Arg Gln Ala Ala Ala His Thr
20 25

<210> 122

<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 122
Asp Arg Gly His Tyr Val Leu Cys Asp Phe Gly Ser Thr Thr Asn Lys
1 5 10 15

Phe Gln Asn Pro Gln Thr Glu Gly Val
20 25

<210> 123
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 123
Gln Val Asp Asn Arg Lys Ala Glu Ala Glu Glu Ala Ile Lys Arg Leu
1 5 10 15

Ser Tyr Ile Ser Gln Lys Val Ser Asp
20 25

<210> 124
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 124
Cys Leu Ser Asp Ala Gly Val Arg Lys Met Thr Ala Ala Val Arg Val
1 5 10 15

Met Lys Arg Gly Leu Glu Asn Leu Thr
20 25

<210> 125

<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 125
Leu Pro Pro Arg Ser Leu Pro Ser Asp Pro Phe Ser Gln Val Pro Ala
1 5 10 15

Ser Pro Gln Ser Gln Ser Ser Ser Gln
20 25

<210> 126
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 126
Glu Leu Val Leu Glu Asp Leu Gln Asp Gly Asp Val Lys Met Gly Gly
1 5 10 15

Ser Phe Arg Gly Ala Phe Ser Asn Ser
20 25

<210> 127
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 127
Val Thr Met Asp Gly Val Arg Glu Glu Asp Leu Ala Ser Phe Ser Leu
1 5 10 15

Arg Lys Arg Trp Glu Ser Glu Pro His
20 25

<210> 128

<211> 25
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 128

Ile	Val	Gly	Val	Met	Phe	Phe	Glu	Arg	Ala	Phe	Asp	Glu	Gly	Ala	Asp
1				5					10					15	

Ala	Ile	Tyr	Asp	His	Ile	Asn	Glu	Gly
			20					25

<210> 129

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 129

Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Ser	Pro	Thr	Pro
1				5					10					15	

Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val
			20					25

<210> 130

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 130

Gln	Glu	Glu	Met	Pro	Pro	Arg	Pro	Cys	Gly	Gly	His	Thr	Ser	Ser	Ser
1				5					10					15	

Leu	Pro	Lys	Ser	His	Leu	Glu	Pro	Ser
			20					25

<210> 131

<211> 21
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 131

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

Lys Ala Lys Gly Lys
20

<210> 132

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 132

Asn	Leu	Val	Pro	Met	Val	Ala	Thr	Val
1				5				

<210> 133

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 133

Cys	Leu	Gly	Gly	Leu	Leu	Thr	Met	Val
1				5				

<210> 134

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 134
Gly Ile Leu Gly Phe Val Phe Thr Leu
1 5

<210> 135
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 135
Leu Leu Phe Gly Tyr Pro Val Tyr Val
1 5

<210> 136
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 136
Gly Leu Cys Thr Leu Val Ala Met Leu
1 5

<210> 137
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 137
Trp Leu Ser Leu Leu Val Pro Phe Val
1 5

<210> 138
<211> 8
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido

sintético

<400> 138

Phe Leu Leu Thr Arg Ile Cys Thr
1 5

<210> 139

<211> 8

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 139

Trp Gln Ala Gly Ile Leu Ala Arg
1 5

<210> 140

<211> 8

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 140

Gln Gly Gln Asn Leu Lys Tyr Gln
1 5

<210> 141

<211> 25

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 141

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

Val Gln Gly Gln Asn Leu Lys Tyr Gln
20 25

<210> 142

<211> 20
 <212> ADN
 <213> Secuencia artificial

 <220>
 <223> Descripción de Secuencia artificial: Cebador sintético

 <400> 142
 gtggtgtgca gcgagaatag 20

 <210> 143
 <211> 22
 <212> ADN
 <213> Secuencia artificial

 <220>
 <223> Descripción de Secuencia artificial: Cebador sintético

 <400> 143
 cgctcgttgt agatgtcggt ag 22

 <210> 144
 <211> 15
 <212> ADN
 <213> Secuencia artificial

 <220>
 <223> Descripción de Secuencia artificial: Sonda sintética

 <400> 144
 ttcattgccc tggttg 15

 <210> 145
 <211> 22
 <212> ADN
 <213> Secuencia artificial

 <220>
 <223> Descripción de Secuencia artificial: Cebador sintético

 <400> 145
 gtttttgatc cagacccaga tg 22

 <210> 146
 <211> 21
 <212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Cebador sintético

<400> 146

gcccattatt cagagcgagt a

21

<210> 147

<211> 14

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Sonda sintética

<400> 147

tcaccaggat ccac

14

<210> 148

<211> 17

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Cebador sintético

<400> 148

ccttgccacat gccggag

17

<210> 149

<211> 17

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Cebador sintético

<400> 149

acagagcctc gcctttg

17

<210> 150

<211> 12

<212> ADN

<213> Secuencia artificial

<220>
 <223> Descripción de Secuencia artificial: Sonda sintética

<400> 150
 gtgagctggc gg 12

<210> 151
 <211> 22
 <212> ADN
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia artificial: Cebador sintético

<400> 151
 ctgaaagctc ggtttgctaa tg 22

<210> 152
 <211> 21
 <212> ADN
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia artificial: Cebador sintético

<400> 152
 ccatgctgga agagacaatc t 21

<210> 153
 <211> 15
 <212> ADN
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia artificial: Sonda sintética

<400> 153
 tggcgctgac cgata 15

<210> 154
 <211> 22
 <212> ADN
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia artificial: Cebador

sintético

<400> 154
tatgcctatc ctgtctcctc tg 22

<210> 155
<211> 22
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Cebador
sintético

<400> 155
gctaatagcag ctaagtcctc tc 22

<210> 156
<211> 15
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Sonda
sintética

<400> 156
tgaccgtgcc ttctg 15

<210> 157
<211> 18
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 157
Tyr Glu Met Phe Asn Asp Lys Ser Phe Gln Arg Ala Pro Asp Asp Lys
1 5 10 15

Met Phe

<210> 158
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Selenocisteína

<220>
<221> MOD_RES
<222> (7)..(8)
<223> Pirrolisina

<400> 158
Phe Glu Gly Arg Lys Xaa Xaa Xaa Ile
1 5

<210> 159
<211> 14
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Ile o Leu

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Pirrolisina

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Ile o Leu

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Pirrolisina

<220>
<221> MOD_RES
<222> (10)..(10)

<223> Ile o Leu

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Pirrolisina

<400> 159

Pro	Xaa	Phe	Ile	Xaa	Glu	Xaa	Xaa	Ile	Xaa	Gly	Glu	Ile	Xaa
1				5					10				

<210> 160

<211> 13

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 160

Ala	Lys	Phe	Val	Ala	Ala	Trp	Thr	Leu	Lys	Ala	Ala	Ala
1				5					10			

<210> 161

<211> 14

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 161

Gln	Tyr	Ile	Lys	Ala	Asn	Ser	Lys	Phe	Ile	Gly	Ile	Thr	Glu
1				5					10				

<210> 162

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 162

Asp	Leu	Met	Gly	Tyr	Ile	Pro	Ala	Val
1				5				

<210> 163
<211> 10
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 163

Phe Leu Pro Ser Asp Phe Phe Pro Ser Val
1 5 10

<210> 164

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 164

Phe Leu Leu Thr Arg Ile Leu Thr Ile
1 5

<210> 165

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 165

Phe Leu Leu Ser Leu Gly Ile His Leu
1 5

<210> 166

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 166

Ile Leu Lys Glu Pro Val His Gly Val
1 5

<210> 167
<211> 10
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido sintético

<400> 167
Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr
1 5 10

<210> 168
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido sintético

<400> 168
Cys Ile Asn Gly Val Cys Trp Thr Val
1 5

<210> 169
<211> 10
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido sintético

<400> 169
Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu
1 5 10

<210> 170
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido sintético

<400> 170

Phe Leu Tyr Ala Leu Ala Leu Leu Leu
1 5

<210> 171
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 171
Ala Ala Gly Ile Gly Ile Leu Thr Val
1 5

<210> 172
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 172
Ser Leu Leu Met Trp Ile Thr Gln Val
1 5

<210> 173
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 173
Lys Leu Gly Gly Ala Leu Gln Ala Lys
1 5

<210> 174
<211> 9
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 174

Arg Leu Arg Ala Glu Ala Gln Val Lys
1 5

<210> 175

<211> 10

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 175

Glu Glu Asn Leu Leu Asp Phe Val Arg Phe
1 5 10

<210> 176

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 176

Glu Glu Tyr Leu Gln Ala Phe Thr Tyr
1 5

<210> 177

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 177

Cys Thr Pro Tyr Asp Ile Asn Gln Met
1 5

<210> 178

<211> 8

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 178

Thr Thr Pro Glu Ser Ala Asn Leu
1 5

<210> 179

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 179

Cys Ala Pro Pro Gly Tyr Ala Leu Leu
1 5

<210> 180

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 180

Ser Gly Pro Lys Thr Asn Ile Ile Val
1 5

<210> 181

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 181

Leu Ser Pro Arg Thr Leu Asn Ala Trp
1 5

<210> 182

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 182

Thr Val Pro Trp Pro Asn Ala Ser Leu

1 5

<210> 183

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 183

Glu Gly Pro Arg Asn Gln Asp Trp Leu

1 5

<210> 184

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 184

Asp Trp Glu Asn Val Ser Pro Glu Leu

1 5

<210> 185

<211> 8

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 185

Ser Ile Ile Val Phe Asn Leu Leu

1 5

<210> 186

<211> 9

<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 186

Ala Ser Met Thr Asn Met Glu Leu Met
1 5

<210> 187

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 187

Ala Gln Leu Ala Asn Asp Val Val Leu
1 5

<210> 188

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 188

Ser Val Tyr Asp Phe Phe Val Trp Leu
1 5

<210> 189

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido sintético

<400> 189

Met Asn Lys Tyr Ala Tyr His Met Leu
1 5

<210> 190
<211> 15
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 190

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

<210> 191
<211> 19
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 191

Ser	Ile	Asn	Phe	Glu	Lys	Leu	Ala	Ala	Tyr	Leu	Leu	Leu	Leu	Leu	Val
1				5					10					15	

Val Val Val

<210> 192
<211> 19
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 192

Leu	Leu	Leu	Leu	Leu	Val	Val	Val	Val	Ala	Ala	Tyr	Ser	Ile	Asn	Phe
1				5					10					15	

Glu Lys Leu

<210> 193
<211> 9
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Péptido
sintético

<400> 193

Ser Pro Ser Tyr Val Tyr His Gln Phe

1

5