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TC91087-6, PLANTA DE CAÑA DE AZÚCAR RESISTENTE A INSECTOS Y MÉTODO PARA PRODUCIR UNA

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<210> 18

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<211> 2064

<212> ADN

<213> Secuencia Artificial

<220>

<223> Secuencia complementaria de la SEC ID Nro. 23 (complemento inverso)

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gcacaacaga cacacacaca cagcgcgcac gtcacacaca cgtggagcta gggctgaaaa 360

cggatcggat acggacggat attattgata ttgtattgt tttcatatt atgtccagat 420

tcggattcga atacggatag tataaaaaat gacggatagg atacgattgg atatcaacat 480

cataaatatg tgatttaaattttggatac gaatacggta tcggatgta aatatctgaa 540

ctcagatatg aacagattaa aactcctcta aacagattcg atctcgaata cggtcggaaa 600

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<210> 31

<211> 1436

<212> ADN

<213> Secuencia Artificial

<220>

<223> Secuencia complementaria de la SEC ID Nro. 24 (complemento inverso)

<400> 31

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tttcagagtg aagtgattct gtaaagtgat tctctgaaat gaactaagag gctgagagct 180

gaaaaaatag cttctcctga ttctgtgaag tgattctcca tagtgaattt taagagtta 240

tgctaaagaa tcaaagaaaa ctatttgag ctcagaatc acttcatcag agaatcaggg 300

agcacagttg aagaatcagg gagcacaact rtgccaaact aacccttaga ttctttatta 360

cgtgtaggaa caatttagcc ttactgatac aaaatataga agaggggcat gcacttgatt 420

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<210> 32

<211> 26

<212> ADN

<213> Secuencia Artificial

<220>

<223> Secuencia complementaria de SEC ID Nro. 18 (complemento inverso)

<400> 32

cgcaatgtga tatcagtact taattt

26

<210> 33

<211> 26

<212> ADN

<213> Secuencia Artificial

<220>

<223> Secuencia complementaria de la SEC ID Nro. 19 (complemento inverso)

<400> 33

acaacgggtc aaacactgat agttta

26

<210> 34

<211> 615

<212> Proteína

<213> Secuencia Artificial

<220>

<223> Truncar la proteína cry1Ac (B. thuringiensis)

<400> 34

Met Asp Asn Asn Pro Asn Ile Asn Glu Cys Ile Pro Tyr Asn Cys Leu

1

5

10

15

Ser Asn Pro Glu Val Glu Val Leu Gly Gly Glu Arg Ile Glu Thr Gly

20

25

30

Tyr Thr Pro Ile Asp Ile Ser Leu Ser Leu Thr Gln Phe Leu Leu Ser

35

40

45

Glu Phe Val Pro Gly Ala Gly Phe Val Leu Gly Leu Val Asp Ile Ile

50

55

60

Trp Gly Ile Phe Gly Pro Ser Gln Trp Asp Ala Phe Leu Val Gln Ile

65

70

75

80

Glu Gln Leu Ile Asn Gln Arg Ile Glu Glu Phe Ala Arg Asn Gln Ala

85

90

95

Ile Ser Arg Leu Glu Gly Leu Ser Asn Leu Tyr Gln Ile Tyr Ala Glu

100

105

110

Ser Phe Arg Glu Trp Glu Ala Asp Pro Thr Asn Pro Ala Leu Arg Glu

115

120

125

Glu Met Arg Ile Gln Phe Asn Asp Met Asn Ser Ala Leu Thr Thr Ala

130

135

140

Ile Pro Leu Phe Ala Val Gln Asn Tyr Gln Val Pro Leu Leu Ser Val
145 150 155 160

Tyr Val Gln Ala Ala Asn Leu His Leu Ser Val Leu Arg Asp Val Ser
 165 170 175

Val Phe Gly Gln Arg Trp Gly Phe Asp Ala Ala Thr Ile Asn Ser Arg
 180 185 190

Tyr Asn Asp Leu Thr Arg Leu Ile Gly Asn Tyr Thr Asp His Ala Val
 195 200 205

Arg Trp Tyr Asn Thr Gly Leu Glu Arg Val Trp Gly Pro Asp Ser Arg
 210 215 220

Asp Trp Ile Arg Tyr Asn Gln Phe Arg Arg Glu Leu Thr Leu Thr Val
225 230 235 240

Leu Asp Ile Val Ser Leu Phe Pro Asn Tyr Asp Ser Arg Thr Tyr Pro
 245 250 255

Ile Arg Thr Val Ser Gln Leu Thr Arg Glu Ile Tyr Thr Asn Pro Val
 260 265 270

Leu Glu Asn Phe Asp Gly Ser Phe Arg Gly Ser Ala Gln Gly Ile Glu
275 280 285

Gly Ser Ile Arg Ser Pro His Leu Met Asp Ile Leu Asn Ser Ile Thr
290 295 300

Ile Tyr Thr Asp Ala His Arg Gly Glu Tyr Tyr Trp Ser Gly His Gln
305 310 315 320

Ile Met Ala Ser Pro Val Gly Phe Ser Gly Pro Glu Phe Thr Phe Pro
325 330 335

Leu Tyr Gly Thr Met Gly Asn Ala Ala Pro Gln Gln Arg Ile Val Ala
340 345 350

Gln Leu Gly Gln Gly Val Tyr Arg Thr Leu Ser Ser Thr Leu Tyr Arg
355 360 365

Arg Pro Phe Asn Ile Gly Ile Asn Asn Gln Gln Leu Ser Val Leu Asp
370 375 380

Gly Thr Glu Phe Ala Tyr Gly Thr Ser Ser Asn Leu Pro Ser Ala Val

385 390 395 400

Tyr Arg Lys Ser Gly Thr Val Asp Ser Leu Asp Glu Ile Pro Pro Gln

405 410 415

Asn Asn Asn Val Pro Pro Arg Gln Gly Phe Ser His Arg Leu Ser His

420 425 430

Val Ser Met Phe Arg Ser Gly Phe Ser Asn Ser Ser Val Ser Ile Ile

435 440 445

Arg Ala Pro Met Phe Ser Trp Ile His Arg Ser Ala Glu Phe Asn Asn

450 455 460

Ile Ile Ala Ser Asp Ser Ile Thr Gln Ile Pro Ala Val Lys Gly Asn

465 470 475 480

Phe Leu Phe Asn Gly Ser Val Ile Ser Gly Pro Gly Phe Thr Gly Gly

485 490 495

Asp Leu Val Arg Leu Asn Ser Ser Gly Asn Asn Ile Gln Asn Arg Gly

500 505 510

Tyr Ile Glu Val Pro Ile His Phe Pro Ser Thr Ser Thr Arg Tyr Arg

515

520

525

Val Arg Val Arg Tyr Ala Ser Val Thr Pro Ile His Leu Asn Val Asn

530

535

540

Trp Gly Asn Ser Ser Ile Phe Ser Asn Thr Val Pro Ala Thr Ala Thr

545

550

555

560

Ser Leu Asp Asn Leu Gln Ser Ser Asp Phe Gly Tyr Phe Glu Ser Ala

565

570

575

Asn Ala Phe Thr Ser Ser Leu Gly Asn Ile Val Gly Val Arg Asn Phe

580

585

590

Ser Gly Thr Ala Gly Val Ile Ile Asp Arg Phe Glu Phe Ile Pro Val

595

600

605

Thr Ala Thr Leu Glu Ala Glu

610

615

<210> 35

<211> 183

<212> Proteína

<213> Secuencia Artificial

<220>

<223> Proteína Pat (*Streptomyces hygroscopicus*)

<400> 35

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1 5 10 15

Asp Met Pro Ala Val Cys Thr Ile Val Asn His Tyr Ile Glu Thr Ser

20 25 30

Thr Val Asn Phe Arg Thr Glu Pro Gln Glu Pro Gln Glu Trp Thr Asp

35 40 45

Asp Leu Val Arg Leu Arg Glu Arg Tyr Pro Trp Leu Val Ala Glu Val

50 55 60

Asp Gly Glu Val Ala Gly Ile Ala Tyr Ala Gly Pro Trp Lys Ala Arg

65 70 75 80

Asn Ala Tyr Asp Trp Thr Ala Glu Ser Thr Val Tyr Val Ser Pro Arg

85 90 95

His Gln Arg Thr Gly Leu Gly Ser Thr Leu Tyr Thr His Leu Leu Lys

100

105

110

Ser Leu Glu Ala Gln Gly Phe Lys Ser Val Val Ala Val Ile Gly Leu

115

120

125

Pro Asn Asp Pro Ser Val Arg Met His Glu Ala Leu Gly Tyr Ala Pro

130

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140

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20