

REIVINDICACIONES

1. Una proteína quimérica insecticida que comprende SEQ ID NO: 4.
2. Un polinucleótido que codifica una proteína quimérica insecticida, que comprende la secuencia de amino ácidos que se establece en SEQ ID NO: 4.
3. Un polinucleótido que comprende SEQ ID NO: 3.
4. Una célula hospedadora bacteriana que comprende SEQ ID NO: 3 donde la célula bacteriana hospedadora se selecciona del grupo que consiste en *Agrobacterium*, *Rhizobium*, *Bacillus*, *Brevibacillus*, *Escherichia*, *Pseudomonas*, *Klebsiella*, y *Erwinia*.
5. Una composición inhibidora de insectos que comprende una proteína quimérica insecticida, que comprende SEQ ID NO: 4.
6. La composición inhibidora de insectos de la reivindicación 5, que comprende además un agente inhibidor de proteína distinto de dicha proteína quimérica.

LISTADO DE SECUENCIAS

5	<110>	Monsanto Technology LLC Baum, James A Cerruti, Thomas A Dart, Crystal L English, Leigh H Flasinski, Stanislaw Fu, Xiaoran Guzov, Victor M Howe, Arlene R Morgenstern, Jay P Roberts, James K Salvador, Sara A Wang, Jinling
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    35          40          45

50  Pro Phe Val Ser Ala Ser Thr Val Gln Thr Gly Ile Asn Ile Ala Gly
    50          55          60

55  Arg Ile Leu Gly Val Leu Gly Val Pro Phe Ala Gly Gln Ile Ala Ser
    65          70          75          80

    Phe Tyr Ser Phe Leu Val Gly Glu Leu Trp Pro Arg Gly Arg Asp Pro
    85          90          95

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    115          120          125

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75  Arg Asp Asp Ala Arg Thr Arg Ser Val Leu Tyr Thr Gln Tyr Ile Ala
    145          150          155          160

    Leu Glu Leu Asp Phe Leu Asn Ala Met Pro Leu Phe Ala Ile Arg Asn
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80  Gln Glu Val Pro Leu Leu Met Val Tyr Ala Gln Ala Ala Asn Leu His
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85  Leu Leu Leu Leu Arg Asp Ala Ser Leu Phe Gly Ser Glu Phe Gly Leu
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 15 Arg Arg Asp Leu Thr Leu Gly Val Leu Asp Leu Val Ala Leu Phe Pro
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 20 Ser Tyr Asp Thr Arg Val Tyr Pro Met Asn Thr Ser Ala Gln Leu Thr
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 290 295 300
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 325 330 335
 40 Gln Leu Thr Ile Phe Ser Val Leu Ser Arg Trp Ser Asn Thr Gln Tyr
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	35 40 45	
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75	Arg Ile Leu Gly Val Leu Gly Val Pro Phe Ala Gly Gln Ile Ala Ser	
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	85 90 95	
85	Trp Glu Ile Phe Leu Glu His Val Glu Gln Leu Ile Arg Gln Gln Val	
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 35 40 45
 65 Pro Phe Val Ser Ala Ser Thr Val Gln Thr Gly Ile Asn Ile Ala Gly
 50 55 60
 70 Arg Ile Leu Gly Val Leu Gly Val Pro Phe Ala Gly Gln Ile Ala Ser
 65 70 75 80
 75 Phe Tyr Ser Phe Leu Val Gly Glu Leu Trp Pro Arg Gly Arg Asp Pro
 85 90 95
 Trp Glu Ile Phe Leu Glu His Val Glu Gln Leu Ile Arg Gln Gln Val
 100 105 110
 80 Thr Glu Asn Thr Arg Asp Thr Ala Leu Ala Arg Leu Gln Gly Leu Gly
 115 120 125
 85 Asn Ser Phe Arg Ala Tyr Gln Gln Ser Leu Glu Asp Trp Leu Glu Asn
 130 135 140

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 145 150 155 160
 Leu Glu Leu Asp Phe Leu Asn Ala Met Pro Leu Phe Ala Ile Arg Asn
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 10 Gln Glu Val Pro Leu Leu Met Val Tyr Ala Gln Ala Ala Asn Leu His
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 15 Leu Leu Leu Leu Arg Asp Ala Ser Leu Phe Gly Ser Glu Phe Gly Leu
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 20 Thr Ser Gln Glu Ile Gln Arg Tyr Tyr Glu Arg Gln Val Glu Lys Thr
 210 215 220
 25 Arg Glu Tyr Ser Asp Tyr Cys Ala Arg Trp Tyr Asn Thr Gly Leu Asn
 225 230 235 240
 30 Asn Leu Arg Gly Thr Asn Ala Glu Ser Trp Leu Arg Tyr Asn Gln Phe
 245 250 255
 35 Arg Arg Asp Leu Thr Leu Gly Val Leu Asp Leu Val Ala Leu Phe Pro
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 40 Ser Tyr Asp Thr Arg Val Tyr Pro Met Asn Thr Ser Ala Gln Leu Thr
 275 280 285
 45 Arg Glu Ile Tyr Thr Asp Pro Ile Gly Arg Thr Asn Ala Pro Ser Gly
 290 295 300
 Phe Ala Ser Thr Asn Trp Phe Asn Asn Asn Ala Pro Ser Phe Ser Ala
 305 310 315 320
 50 Ile Glu Ala Ala Val Ile Arg Pro Pro His Leu Leu Asp Phe Pro Glu
 325 330 335
 55 Gln Leu Thr Ile Phe Ser Val Leu Ser Arg Trp Ser Asn Thr Gln Tyr
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 60 Met Asn Tyr Trp Val Gly His Arg Leu Glu Ser Arg Thr Ile Arg Gly
 355 360 365
 Ser Leu Ser Thr Ser Thr His Gly Asn Thr Asn Thr Ser Ile Asn Pro
 370 375 380
 65 Val Thr Leu Gln Phe Thr Ser Arg Asp Val Tyr Arg Thr Glu Ser Phe
 385 390 395 400
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 405 410 415
 70 Ala Arg Phe Asn Trp Arg Asn Pro Leu Asn Ser Leu Arg Gly Ser Leu
 420 425 430
 75 Leu Tyr Thr Ile Gly Tyr Thr Gly Val Gly Thr Gln Leu Phe Asp Ser
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 80 Glu Thr Glu Leu Pro Pro Glu Thr Thr Glu Arg Pro Asn Tyr Glu Ser
 450 455 460
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 465 470 475 480
 85 Arg Ala Pro Val Tyr Ser Trp Thr His Arg Ser Ala Asp Arg Thr Asn
 485 490 495

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 Arg Val Trp Gly Gly Thr Ser Val Ile Thr Gly Pro Gly Phe Thr Gly
 515 520 525
 10 Gly Asp Ile Leu Arg Arg Asn Thr Phe Gly Asp Phe Val Ser Leu Gln
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 15 Val Asn Ile Asn Ser Pro Ile Thr Gln Arg Tyr Arg Leu Arg Phe Arg
 545 550 555 560
 20 Tyr Ala Ser Ser Arg Asp Ala Arg Val Ile Val Leu Thr Gly Ala Ala
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 660 665 670
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 770 775 780
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 785 790 795 800
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 85 Glu Thr Val Asn Val Pro Gly Thr Gly Ser Leu Trp Pro Leu Ser Ala
 820 825 830

Pro Ser Pro Ile Gly Lys Cys Ala His His Ser His His Phe Ser Leu
 835 840 845
 5 Asp Ile Asp Val Gly Cys Thr Asp Leu Asn Glu Asp Leu Gly Val Trp
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 10 Val Ile Phe Lys Ile Lys Thr Gln Asp Gly His Ala Arg Leu Gly Asn
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 15 Leu Glu Phe Leu Glu Glu Lys Pro Leu Val Gly Glu Ala Leu Ala Arg
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 20 Val Lys Arg Ala Glu Lys Lys Trp Arg Asp Lys Arg Glu Lys Leu Glu
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 915 920 925
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 965 970 975
 45 Glu Glu Leu Glu Gly Arg Ile Phe Thr Ala Phe Ser Leu Tyr Asp Ala
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 50 Arg Asn Val Ile Lys Asn Gly Asp Phe Asn Asn Gly Leu Ser Cys Trp
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 80 Glu Val Tyr Pro Asn Asn Thr Val Thr Cys Asn Asp Tyr Thr Ala
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 1115 1120 1125
 95 Ala Ser Ala Tyr Glu Glu Lys Ala Tyr Thr Asp Gly Arg Arg Asp
 1130 1135 1140
 100 Asn Pro Cys Glu Ser Asn Arg Gly Tyr Gly Asp Tyr Thr Pro Leu
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15 <220>
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