

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
10	<120>	Proteínas quiméricas insecticidas novedosas tóxicas o inhibidoras de plagas de lepidópteros
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	<151>	2014-10-16
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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

60   Trp Glu Ile Phe Leu Glu His Val Glu Gln Leu Ile Arg Gln Gln Val
    100          105          110

65   Thr Glu Asn Thr Arg Asp Thr Ala Leu Ala Arg Leu Gln Gly Leu Gly
    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
    165          170          175

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
 275 280 285
 25 Arg Glu Ile Tyr Thr Asp Pro Ile Gly Arg Thr Asn Ala Pro Ser Gly
 290 295 300
 30 Phe Ala Ser Thr Asn Trp Phe Asn Asn Asn Ala Pro Ser Phe Ser Ala
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 35 Ile Glu Ala Ala Val Ile Arg Pro Pro His Leu Leu Asp Phe Pro Glu
 325 330 335
 40 Gln Leu Thr Ile Phe Ser Val Leu Ser Arg Trp Ser Asn Thr Gln Tyr
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 355 360 365
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 465 470 475 480
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 485 490 495
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 75 Gly Glu Pro Asn Arg Cys Ala Pro His Phe Glu Trp Asn Pro Asp Leu
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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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80	Phe Tyr Ser Phe Leu Val Gly Glu Leu Trp Pro Arg Gly Arg Asp Pro	
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85	Trp Glu Ile Phe Leu Glu His Val Glu Gln Leu Ile Arg Gln Gln Val	
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105	Glu	Thr	Glu	Leu	Pro	Pro	Glu	Thr	Thr	Glu	Arg	Pro	Asn	Tyr	Glu	Ser
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 5 Arg Ala Pro Val Tyr Ser Trp Thr His Arg Ser Ala Asp Arg Thr Asn
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 35 40 45
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 65 70 75 80
 75 Phe Tyr Ser Phe Leu Val Gly Glu Leu Trp Pro Arg Gly Arg Asp Pro
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 Trp Glu Ile Phe Leu Glu His Val Glu Gln Leu Ile Arg Gln Gln Val
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 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
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 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
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 Phe Ala Ser Thr Asn Trp Phe Asn Asn Asn Ala Pro Ser Phe Ser Ala
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 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
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 1130 1135 1140
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	accatccaag gcggcgacga cgtcttcaag gagaactacg tcaactctgct gggcaccttc	2280
20	gacgagtgt atccgacct cctgtaccag aagatcgacg agagcaagct caaggcgtac	2340
	acccgctacc aactcagagg ctacatcgaa gactcccagg atctggaaat ctacctcatt	2400
25	cgctacaacg cgaagcacga gactgtcaac gtgcccggca ctggcagcct gtggccgctc	2460
	tccgcgccga gccctatcgg aaagtgtgcg caccactccc accacttcag cttggacatc	2520
	gacgtgggtt gcacggacct caacgaagac ctgggtgtct ggggtgatctt caagatcaag	2580
30	acgcaagacg gacacgcgag actcggcaat ctggagtcc tggaggagaa gcctctggtc	2640
	ggcgaagctc tcgccagggt gaagcgcgcc gagaagaagt ggcgcgacaa gcgggagaag	2700
35	ctggagtggg agacgaacat cgtgtacaag gaggccaagg agtccgtgga cgccctcttt	2760
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	gtcacctgca acgactacac tgccactcag gaggagtacg agggaaacct cactagccgc	3300
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	gcctacgagg agaaggcgta cacggacggg cggcgcgaca acccgcgca gtccaatcgt	3420
	ggctacgggt actacactcc gcttcccgt ggttacgtga ccaaggaact tgagtacttc	3480
60	cctgagaccg acaaggtctg gatcgagata ggtgagaccg aaggcacgtt catcgttgac	3540
	tccgtcgaac tgctgtcat ggaggagtga	3570

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REIVINDICACIONES

1. Una proteína quimérica insecticida que comprende SEQ ID NO: 10.
2. Un polinucleótido que codifica una proteína quimérica insecticida, que comprende la secuencia de amino ácidos que se establece en SEQ ID NO: 10.
3. Un polinucleótido que comprende SEQ ID NO: 9.
4. Una célula hospedadora bacteriana que comprende SEQ ID NO: 9 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: 10.
6. La composición inhibidora de insectos de la reivindicación 5, que comprende además un agente inhibidor de proteína distinto de dicha proteína quimérica.