

BCS 10-2009 wo_ST25.txt
SEQUENCE LISTING

<110> Bayer BioScience N.V.
D'Halluin, Kathleen

<120> Methods and means to modify a plant genome at a nucleotide
sequence commonly used in plant genome engineering

<130> BCS 10-2009

<160> 8

<170> PatentIn version 3.5

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Val Asp Gly Asp Gly Ser Ile Lys Ala Gln Ile Ser Pro Glu Gln Ser	
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Leu Arg Leu Thr Phe Gln Val Thr Gln Lys Thr Gln Arg Arg Trp Phe
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Leu Asp Lys Leu Val Asp Lys Ile Gly Val Gly Lys Val Tyr Asp Ser
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Gly Ser Val Ser Asp Tyr Ile Leu Ser Gln Ile Lys Pro Leu His Asn
85 90 95

Phe Leu Thr Gln Leu Gln Pro Phe Leu Lys Leu Lys Gln Lys Gln Ala
100 105 110

Asn Leu Val₁₁₅ Leu Lys Ile Ile Glu₁₂₀ Gln Leu Pro Ser Ala₁₂₅ Lys Glu Ser

Pro Asp₁₃₀ Lys Phe Leu Glu Val₁₃₅ Cys Thr Trp Val Asp₁₄₀ Gln Ile Ala Ala

Leu Asn Asp Ser Lys Thr₁₅₀ Arg Lys Thr Thr Ser₁₅₅ Glu Thr Val Arg Ala₁₆₀

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Ile Ile Ala₃₅ Gln Ile Lys Pro Asn₄₀ Gln Ser Cys Lys Phe₄₅ Lys His Gln

Leu Met₅₀ Leu Thr Phe Gln₅₅ Val Thr Gln Lys Thr Gln₆₀ Arg Arg Trp Phe

Leu Asp Glu Leu Val₇₀ Asp Glu Ile Gly Val₇₅ Gly Lys Val Tyr Asp Arg₈₀

Gly Ser Val Ser₈₅ Asp Tyr Arg Leu Cys Gln₉₀ Ile Lys Pro Leu His Asn₉₅

Phe Leu Thr Gln₁₀₀ Leu Gln Pro Phe Leu₁₀₅ Glu Leu Lys Gln₁₁₀ Lys Gln Ala

Asn Leu Val₁₁₅ Leu Lys Ile Ile Glu₁₂₀ Gln Leu Pro Ser Ala₁₂₅ Lys Glu Ser

Pro Asp₁₃₀ Lys Phe Leu Glu Val₁₃₅ Cys Thr Trp Val Asp₁₄₀ Gln Ile Ala Ala

Leu Asn Asp Ser Lys Thr₁₅₀ Arg Lys Thr Thr Ser₁₅₅ Glu Thr Val Arg Ala₁₆₀

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Thr Lys Tyr Asn Lys Glu Phe Leu Leu Tyr Leu Ala Gly Phe Val Asp
15          20          25          30
ggc gat gga tct atc ata gct cag att aaa cca aat caa tca tgc aag         1404
Gly Asp Gly Ser Ile Ile Ala Gln Ile Lys Pro Asn Gln Ser Cys Lys
35          40          45
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50          55          60

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Val Tyr Asp Arg Gly Ser Val Ser Asp Tyr Arg Leu Cys Gln Ile Lys	
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Pro Leu His Asn Phe Leu Thr Gln Leu Gln Pro Phe Leu Lys Leu Lys	
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Cys Thr Trp Val Asp Gln Ile Ala Ala Leu Asn Asp Ser Lys Thr Arg	
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Lys Thr Thr Ser Glu Thr Val Arg Ala Val Leu Asp Ser Leu Pro Gly	
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285 290 295	
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Gln Lys Gln Ala Asn Leu Val Leu Lys Ile Ile Glu Gln Leu Pro Ser	
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Ala	Lys	Glu	Ser	Pro	Asp	Lys	Phe	Leu	Glu	Val	Cys	Thr	Trp	Val	Asp		
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caa	att	gct	gct	ttg	aac	gat	agc	aaa	aca	cgt	aag	act	aca	agt	gag		2490
Gln	Ile	Ala	Ala	Leu	Asn	Asp	Ser	Lys	Thr	Arg	Lys	Thr	Thr	Ser	Glu		
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Thr	Val	Arg	Ala	Val	Leu	Asp	Ser	Leu	Ser	Glu	Lys	Lys	Lys	Ser	Ser		
				350					355					360			

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Pro																	

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 <212> PRT
 <213> Artificial

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 <223> Synthetic Construct

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Met Ala Lys Pro Pro Lys Lys Lys Arg Lys Val His Met Asn Thr Lys
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Tyr Asn Lys Glu Phe Leu Leu Tyr Leu Ala Gly Phe Val Asp Gly Asp
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Gly Ser Ile Ile Ala Gln Ile Lys Pro Asn Gln Ser Cys Lys Phe Lys
35 40 45

His Gln Leu Met Leu Thr Phe Gln Val Thr Gln Lys Thr Gln Arg Arg
50 55 60

Trp Phe Leu Asp Lys Leu Val Asp Glu Ile Gly Val Gly Lys Val Tyr
65 70 75 80

Asp Arg Gly Ser Val Ser Asp Tyr Arg Leu Cys Gln Ile Lys Pro Leu
85 90 95

His Asn Phe Leu Thr Gln Leu Gln Pro Phe Leu Lys Leu Lys Gln Lys
100 105 110

Gln Ala Asn Leu Val Leu Lys Ile Ile Glu Gln Leu Pro Ser Ala Lys
115 120 125

Glu Ser Pro Asp Lys Phe Leu Glu Val Cys Thr Trp Val Asp Gln Ile
130 135 140

Ala Ala Leu Asn Asp Ser Lys Thr Arg Lys Thr Thr Ser Glu Thr Val
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Arg Ala Val Leu Asp Ser Leu Pro Gly Ser Val Gly Gly Leu Ser Pro
165 170 175

Ser Gln Ala Ser Ser Ala Ala Ser Ser Ala Ser Ser Ser Pro Gly Ser
 180 185 190
 Gly Ile Ser Glu Ala Leu Arg Ala Gly Ala Thr Lys Ser Lys Glu Phe
 195 200 205
 Leu Leu Tyr Leu Ala Gly Phe Val Asp Gly Asp Gly Ser Ile Lys Ala
 210 215 220
 Gln Ile Ser Pro Glu Gln Ser Arg Lys Phe Lys His Arg Leu Arg Leu
 225 230 235 240
 Thr Phe Gln Val Thr Gln Lys Thr Gln Arg Arg Trp Phe Leu Asp Lys
 245 250 255
 Leu Val Asp Glu Ile Gly Val Gly Lys Val Tyr Asp Ser Gly Ser Val
 260 265 270
 Ser Asp Tyr Ile Leu Ser Gln Ile Lys Pro Leu His Asn Phe Leu Thr
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 Gln Leu Gln Pro Phe Leu Lys Leu Lys Gln Lys Gln Ala Asn Leu Val
 290 295 300
 Leu Lys Ile Ile Glu Gln Leu Pro Ser Ala Lys Glu Ser Pro Asp Lys
 305 310 315 320
 Phe Leu Glu Val Cys Thr Trp Val Asp Gln Ile Ala Ala Leu Asn Asp
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 Tyr Lys Phe Lys His Gln Leu Ser Leu Thr Phe Gln Val Thr Glu Lys
 35 40 45
 Thr Gln Arg Arg Trp Phe Leu Asp Lys Leu Val Asp Glu Ile Gly Val
 50 55 60

Gly Tyr Val Arg Asp Arg Gly Ser Val Ser Asp Tyr Ile Leu Ser Glu
 65 70 75 80

Ile Lys Pro Leu His Asn Phe Leu Thr Gln Leu Gln Pro Phe Leu Lys
 85 90 95

Leu Lys Gln Lys Gln Ala Asn Leu Val Leu Lys Ile Ile Glu Gln Leu
 100 105 110

Pro Ser Ala Lys Glu Ser Pro Asp Lys Phe Leu Glu Val Cys Thr Trp
 115 120 125

Val Asp Gln Ile Ala Ala Leu Asn Asp Ser Lys Thr Arg Lys Thr Thr
 130 135 140

Ser Glu Thr Val Arg Ala Val Leu Asp Ser Leu Ser Glu Lys Lys Lys
 145 150 155 160

Ser Ser Pro