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SEQUENCE LISTING

<110> Commonwealth Scientific and Industrial Research
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<150> AU2009903563

<151> 2009-07-30

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<170> PatentIn version 3.5

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<213> Hordeum vulgare

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- 2 -

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 <213> Hordeum vulgare

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Pro Thr Arg Ala Gly Ala Gly Arg Leu Gln Trp Arg Pro Ser Pro Leu
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Gln Arg Thr Ala Arg Asp Gly Ala Val Ala Ala Arg Ala Ala Gly Ile
 50 55 60

Asp Asp Ala Ala Pro Gly Arg Gln Pro Arg Ala Arg Arg Tyr Gly Ala
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Ala Thr Lys Val Ala Asp Pro Val Lys Thr Leu Asp Arg Asp Ala Ala
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Glu Gly Gly Gly Pro Ser Pro Pro Ala Pro Arg Gln Asp Ala Ala Arg
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Leu Pro Ser Lys Asn Gly Thr Leu Ile Asn Gly Glu Asn Lys Pro Thr
 115 120 125

Gly Gly Gly Gly Ala Thr Lys Asp Ser Gly Leu Pro Thr Pro Ala Arg
 130 135 140

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 145 150 155 160

Lys His Lys Val Ala Ser Pro Pro Thr Ser Ile Val Asp Val Ala Ser
 165 170 175

Pro Gly Ser Ala Ala Asn Ile Ser Ile Ser Asn Lys Val Pro Pro Ser
 180 185 190

Val Val Pro Ala Lys Lys Thr Pro Pro Ser Ser Val Phe Pro Ala Lys
 195 200 205

Lys Thr Leu Pro Ser Ser Gly Ser Asn Phe Val Ser Ser Ala Ser Ala
 210 215 220

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Pro Arg Leu Asp Thr Val Ser Asp Val Glu Leu Ala Gln Lys Lys Asp
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Ala Leu Ile Val Lys Glu Ala Pro Lys Pro Lys Ala Leu Ser Ala Pro
 245 250 255

Ala Ala Pro Ala Val Gln Glu Asp Leu Trp Asp Phe Lys Lys Tyr Ile
 260 265 270

Gly Phe Glu Glu Pro Val Glu Ala Lys Asp Asp Gly Ser Ala Val Ala
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Asp Asp Ala Gly Ser Phe Glu His His Gln Asn His Asp Ser Gly Pro
 290 295 300

Leu Ala Gly Glu Asn Val Met Asn Val Val Val Ala Ala Glu Cys
 305 310 315 320

Ser Pro Trp Cys Lys Thr Gly Gly Leu Gly Asp Val Ala Gly Ala Leu
 325 330 335

Pro Lys Ala Leu Ala Lys Arg Gly His Arg Val Met Val Val Val Pro
 340 345 350

Arg Tyr Gly Asp Tyr Glu Glu Ala Tyr Asp Val Gly Val Arg Lys Tyr
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Tyr Lys Ala Ala Gly Gln Asp Met Glu Val Asn Tyr Phe His Ala Tyr
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Ile Asp Gly Val Asp Phe Val Phe Ile Asp Ala Pro Leu Phe Arg His
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Arg Gln Gln Asp Ile Tyr Gly Gly Ser Arg Gln Glu Ile Met Lys Arg
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Met Ile Leu Phe Cys Lys Ala Ala Val Glu Val Pro Trp His Val Pro
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Cys Gly Gly Val Pro Tyr Gly Asp Gly Asn Leu Val Phe Ile Ala Asn
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Asp Trp His Thr Ala Leu Leu Pro Val Tyr Leu Lys Ala Tyr Tyr Arg
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Asp His Gly Leu Met Gln Tyr Ser Arg Ser Val Met Val Ile His Asn
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Ile Ala His Gln Gly Arg Gly Pro Val Asp Glu Phe Pro Phe Thr Glu
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Leu Pro Glu His Tyr Leu Glu His Phe Arg Leu Tyr Asp Pro Val Gly
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Val Val Val Val Ser Pro Gly Tyr Leu Trp Glu Leu Lys Thr Val Glu
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Arg Gly Ile Val Asn Gly Ile Asp Asn Met Glu Trp Asn Pro Glu Val
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610 615 620

Leu Asp Gly Gln Lys Gly Val Glu Ile Ile Ala Asp Ala Met Pro Trp
625 630 635 640

Ile Val Ser Gln Asp Val Gln Leu Val Met Leu Gly Thr Gly Arg His
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Asp Leu Glu Ser Met Leu Gln His Phe Glu Arg Glu His His Asp Lys
660 665 670

Val Arg Gly Trp Val Gly Phe Ser Val Arg Leu Ala His Arg Ile Thr
675 680 685

Ala Gly Ala Asp Ala Leu Leu Met Pro Ser Arg Phe Glu Pro Cys Gly
690 695 700

Leu Asn Gln Leu Tyr Ala Met Ala Tyr Gly Thr Ile Pro Val Val His
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Ala Val Gly Gly Leu Arg Asp Thr Val Pro Pro Phe Asp Pro Phe Asn
725 730 735

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His Ser Gly Leu Gly Trp Thr Phe Asp Arg Ala Glu Ala His Lys Leu
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Ile Glu Ala Leu Gly His Cys Leu Arg Thr Tyr Arg Asp His Lys Glu
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Ser Trp Arg Gly Leu Gln Glu Arg Gly Met Ser Gln Asp Phe Ser Trp
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Gln Trp

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 <213> Hordeum vulgare
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Pro Thr Arg Ala Gly Ala Gly Arg Leu Gln Trp Arg Pro Ser Pro Leu
 35 40 45

Gln Arg Thr Ala Arg Asp Gly Ala Val Ala Ala Arg Ala Ala Gly Ile
 50 55 60

Asp Asp Ala Ala Pro Gly Arg Gln Pro Arg Ala Arg Arg Tyr Gly Ala
 65 70 75 80

Ala Thr Lys Val Ala Asp Pro Val Lys Thr Leu Asp Arg Asp Ala Ala
 85 90 95

Glu Gly Gly Gly Pro Ser Pro Pro Ala Pro Arg Gln Asp Ala Ala Arg
 100 105 110

Leu Pro Ser Lys Asn Gly Thr Leu Ile Asn Gly Glu Asn Lys Pro Thr
 115 120 125

Gly Gly Gly Gly Ala Thr Lys Asp Ser Gly Leu Pro Thr Pro Ala Arg
 130 135 140

Ala Pro His Leu Ser Ile Gln Asn Arg Val Pro Val Asn Gly Glu Asn
 145 150 155 160

Lys His Lys Val Ala Ser Pro Pro Thr Ser Ile Val Asp Val Ala Ser
 165 170 175

Pro Gly Ser Ala Ala Asn Ile Ser Ile Ser Asn Lys Val Pro Pro Ser
 180 185 190

Val Val Pro Ala Lys Lys Thr Pro Pro Ser Ser Val Phe Pro Ala Lys
 195 200 205

Lys Thr Leu Pro Ser Ser Gly Ser Asn Phe Val Ser Ser Ala Ser Ala
 210 215 220

Pro Arg Leu Asp Thr Val Ser Asp Val Glu Leu Ala Gln Lys Lys Asp
 225 230 235 240

Ala Leu Ile Val Lys Glu Ala Pro Lys Pro Lys Ala Leu Ser Ala Pro
 245 250 255

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Ala Ala Pro Ala Val Gln Glu Asp Leu Trp Asp Phe Lys Lys Tyr Ile
260 265 270

Gly Phe Glu Glu Pro Val Glu Ala Lys Asp Asp Gly Ser Ala Val Ala
275 280 285

Asp Asp Ala Gly Ser Phe Glu His His Gln Asn His Asp Ser Gly Pro
290 295 300

Leu Ala Gly Glu Asn Val Met Asn Val Val Val Ala Ala Glu Cys
305 310 315 320

Ser Pro Trp Cys Lys Thr Gly Gly Leu Gly Asp Val Ala Gly Ala Leu
325 330 335

Pro Lys Ala Leu Ala Lys Arg Gly His Arg Val Met Val Val Val Pro
340 345 350

Arg Tyr Gly Asp Tyr Glu Glu Ala Tyr Asp Val Gly Val Arg Lys Tyr
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Tyr Lys Ala Ala Gly Gln Asp Met Glu Val Asn Tyr Phe His Ala Tyr
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Ile Asp Gly Val Asp Phe Val Phe Ile Asp Ala Pro Leu Phe Arg His
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Arg Gln Gln Asp Ile Tyr Gly Gly Ser Arg Gln Glu Ile Met Lys Arg
405 410 415

Met Ile Leu Phe Cys Lys Ala Ala Val Glu Val Pro Trp His Val Pro
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Cys Gly Gly Val Pro Tyr Gly Asp Gly Asn Leu Val Phe Ile Ala Asn
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Asp Trp His Thr Ala Leu Leu Pro Val Tyr Leu Lys Ala Tyr Tyr Arg
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Asp His Gly Leu Met Gln Tyr Ser Arg Ser Val Met Val Ile His Asn
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Ile Ala His Gln Gly Arg Gly Pro Val Asp Glu Phe Pro Phe Thr Glu
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Leu Pro Glu His Tyr Leu Glu His Phe Arg Leu Tyr Asp Pro Val Gly
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Gly Glu His Ala Asn Tyr Phe Ala Ala Gly Leu Lys Met Ala Asp Gln
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Arg Gly Ile Val Asn Gly Ile Asp Asn Met Glu
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 <212> PRT
 <213> Hordeum vulgare

<400> 11

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 35 40 45

Phe Ile Gly Arg Leu Asp Gly Gln Lys Gly Val Glu Ile Ile Ala Asp
 50 55 60

Ala Met Pro Trp Ile Val Ser Gln Asp Val Gln Leu Val Met Leu Gly
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Thr Gly Arg His Asp Leu Glu Ser Met Leu Gln His Phe Glu Arg Glu
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His His Asp Lys Val Arg Gly Trp Val Gly Phe Ser Val Arg Leu Ala
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His Arg Ile Thr Ala Gly Ala Asp Ala Leu Leu Met Pro Ser Arg Phe
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Glu Pro Cys Gly Leu Asn Gln Leu Tyr Ala Met Ala Tyr Gly Thr Ile
 130 135 140

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Pro Val Val His Ala Val Gly Gly Leu Arg Asp Thr Val Pro Pro Phe
145 150 155 160

Asp Pro Phe Asn His Ser Gly Leu Gly Trp Thr Phe Asp Arg Ala Glu
165 170 175

Ala His Lys Leu Ile Glu Ala Leu Gly His Cys Leu Arg Thr Tyr Arg
180 185 190

Asp His Lys Glu Ser Trp Arg Gly Leu Gln Glu Arg Gly Met Ser Gln
195 200 205

Asp Phe Ser Trp Glu His Ala Ala Lys Leu Tyr Glu Asp Val Leu Val
210 215 220

Gln Ala Lys Tyr Gln Trp
225 230