

pctdk2009050315-seq1.txt
SEQUENCE LISTING

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Heineken Supply Chain B.V.

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<170> PatentIn version 3.4

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Page 6

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970

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Pro Ser Lys Val Tyr Gly Leu Asp Ile Asn Pro Arg Ala Ile Lys Ile
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<212> DNA

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<213> Barley, Mutant 14018

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gtgggtgccct tcgaagattg gcacctcttg ttccgtagat atttatctta tctcgtttgt 240
tgcaaacatg ggacctgcag aagttagaca ttactcagg tttatgggtct ggatataaac 300
ccaagagcta tcaagattgc atggataaac ctttacttga atgcactaga cgacgatgggt 360
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ccacagattc ttaaccccaa tccagaggca atgtcaaaga ttgtaactga aaattcaagt 540
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ggctttatgg tattcaacat gggaggccgg ccaggacaag gtgtctgtga gcgcctatct 720
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<212> PRT
<213> Barley, Mutant 14018

<400> 24

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Leu Glu Ala Pro Ala Thr Arg Ala Glu Ala Arg Arg Leu Leu Gly Ala
 35 40 45

Val Arg Arg Arg Phe Ala Ala Gly Gly Pro Ala Ala Gly Leu Glu Cys
 50 55 60

Phe Arg Thr Phe His Phe Arg Ile His Asp Val Val Leu Asp Pro His
 65 70 75 80

Leu Gln Gly Phe Gln Gln Arg Lys Lys Leu Thr Met Met Glu Ile Pro
 85 90 95

Ser Ile Phe Ile Pro Glu Asp Trp Ser Phe Thr Phe Tyr Glu Gly Leu
 100 105 110

Asn Arg His Pro Asp Ser Ile Phe Arg Asp Lys Thr Val Ala Glu Leu
 115 120 125

Gly Cys Gly Asn Gly Trp Ile Ser Ile Ala Leu Ala Glu Lys Trp Cys
 130 135 140

Pro Ser Lys Ile Gly Thr Ser Cys Ser Val Asp Ile Tyr Leu Ile Ser
 145 150 155 160

Phe Val Ala Asn Met Gly Pro Ala Glu Val Arg His Leu Leu Arg Phe
 165 170 175

Met Val Trp Ile
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<210> 25

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<212> DNA

<213> Barley, Mutant 14018

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taagacagta gcagagctgg gatgtggcaa tggtttatgg tctggatata aaccaagag 180

ctatcaagat tgcattggata aacctttact tgaatgcact agacgacgat ggtctcccaa 240

tctatgatgc ggaggggaaa acattgcttg acagagtcga attctatgaa tctgatcttc 300

pctdk2009050315-seq1.txt

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tggtattcaa catgggagggc cggccaggac aagggtgtctg tgagcgccta tttcttcgcc 600
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<210> 26
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<213> Barley, Mutant 14018
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35     40     45
Val Arg Arg Arg Phe Ala Ala Gly Gly Pro Ala Ala Gly Leu Glu Cys
50     55     60
Phe Arg Thr Phe His Phe Arg Ile His Asp Val Val Leu Asp Pro His
65     70     75     80
Leu Gln Gly Phe Gln Gln Arg Lys Lys Leu Thr Met Met Glu Ile Pro
85     90     95
Ser Ile Phe Ile Pro Glu Asp Trp Ser Phe Thr Phe Tyr Glu Gly Leu
100    105    110
Asn Arg His Pro Asp Ser Ile Phe Arg Asp Lys Thr Val Ala Glu Leu
115    120    125
Gly Cys Gly Asn Gly Leu Trp Ser Gly Tyr Lys Pro Lys Ser Tyr Gln
130    135    140
Asp Cys Met Asp Lys Pro Leu Leu Glu Cys Thr Arg Arg Arg Trp Ser
145    150    155    160
Pro Asn Leu

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 catcttcagg gataagacag tagcagagct gggatgtggc aatgggttga tatccattgc 240
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 caagattgca tggataaacc ttacttgaa tgcactagac gacgatggtc tcccaatcta 360
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 taacccaat ccagaggcaa tgtcaaagat tgtaactgaa aattcaagtg aggagttctt 540
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 attcaacatg ggaggccggc caggacaagg tgtctgtgag cgcctatttc tacgccgtgg 720
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 c 781

<210> 28
 <211> 781
 <212> DNA
 <213> Artificial

<220>
 <223> SacII BamHI fragment of Product 3

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 ttctattcca gaagactggt cattcacttt ctacgagggt ctcaaccggc atccagattc 180
 catcttcagg gataagacag tagcagagct gggatgtggc aatgggttga tatccattgc 240
 acttgcagaa aagtgggtgcc cttcgaaggt ttatggtctg gatataaacc caagagctat 300
 caagattgca tggataaacc ttacttgaa tgcactagac gacgatggtc tcccaatcta 360
 tgatgcggag gggaaaacat tgcttgacag agtcgaattc tatgaatctg atcttctttc 420

ttactgtaga gataacaaga tagaacttga tcgcattgtt ggatgcatac cacagattct	480
taaccccaat ccagaggcaa tgtcaaagat tgtaactgaa aattcaagtg aggagttctt	540
gtactccttg agcaactact gtgctctcca gggttttgtt gaggaccaat ttggcctcgg	600
gttgattgct cgggctgttg aagaagggat atctgtgata aagcctagtgt gtcttatggt	660
attcaacatg ggaggccggc caggacaagg tgtctgtgag cgcctatttc tacgccgtgg	720
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<210> 29
 <211> 703
 <212> DNA
 <213> Artificial

<220>
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tttcattcca gaagactggt cattcacttt ctacgagggt ctcaaccggc atccagattc	180
catcttcagg gataagacag tagcagagct gggatgtggc aatggttgga tatccattgc	240
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caagattgca tggataaacc ttactttgaa tgcactagac gacgatggtc tcccaatcta	360
tgatgcggag gggaaaacat tgcttgacag agtcgaattc tatgaatctg atcttctttc	420
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taaccccaat ccagaggcaa tgtcaaagat tgtaactgaa aattcaagtg aggagttctt	540
gtactccttg agcaactact gtgctctcca gggttttgtt gaggaccaat ttggcctcgg	600
gttgattgct cgggctgttg aagaagggat atctgtgata aagcctagtgt gtcttatggt	660
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<210> 30
 <211> 394
 <212> DNA
 <213> Artificial

<220>
 <223> SacII BamHI fragment of Product 6

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tatctcgttt gttgcaaaca tgggacctgc agaagttaga catttactca gggttacttta	360
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<220>
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acttgcagaa aagtgggtgcc cttcgaagat tggcacctct tgttccgtag atatttatct	300
tatctcgttt gttgcaaaca tgggacctgc agaagttaga catttactca gggttatggt	360
ctggatataa ggaacc	376

<210> 32
 <211> 325
 <212> DNA
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<220>
 <223> SacII BamHI fragment of Product 8

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catcttcagg gataagacag tagcagagct gggatgtggc aatgggttat ggtctggata	240
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<210> 35
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<210> 39
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31

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<210> 87
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<400> 87
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<210> 88
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