

## SEQUENCE LISTING

<110> BIOGEMMA  
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH  
ORGANISATION

<120> PLANTS HAVING IMPROVED RESISTANCE TO PATHOGENS

<130> BGM 45 - WO

<150> EP08152646.9

<151> 2008-03-12

<160> 71

<170> PatentIn version 3.3

<210> 1

<211> 1872

<212> DNA

<213> *Oryza sativa*

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<213> Oryza sativa

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<213> Triticum aestivum

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 <213> *Triticum aestivum*

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<212> DNA
<213> Triticum aestivum

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<213> Triticum aestivum

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 aaccttttct tcttggaat aaataacaaa aggaaactag cagtagtatg tttctttcga 480  
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<210> 10  
 <211> 350  
 <212> DNA  
 <213> Triticum aestivum

<400> 10  
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 ggctcaccgt gtgagggcga gctctttcta tatctatcgc cgggtccaacc ggccggtgat 180  
 gttgtatcgt gtccatggtc gtagtgaggt cgtcgggcgt ctcgtcgccg tttagtttcg 240  
 ccggagttcg ttttggcgcc atctttttta tttcccatgc gtcgggtccac tgttttcttc 300  
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<210> 11  
 <211> 2122  
 <212> DNA  
 <213> Hordeum vulgare

<400> 11

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aggtcccgcg aaccgcctaa tttcatcggtg attcatatatt catgctatatt cttttatcca 1920
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aataactaaa ttgaattgat tt 2122

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<210> 12
<211> 751
<212> DNA
<213> Hordeum vulgare

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<400> 12
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ctcggtcgc cgtccccgcc gtcttcttcg catccgactg aacgcggcg tgggggtgcc 180
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ttgcgggggt agccgggggt ccggcctcgg cggctttcta agcccccttc cttacaacag 300
gatccaaaat ccggtcctag atttcttcta cctccccttc cagaacttcc tcttttgga 360
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tttttgctc cattttcttc ttcttcttc ttcgatcgat cgatctacag ccggtttcgc 480
ctcatacaga ttcttttctt cttcgagatt tgtccattcc atcgccgcta acctccgtcg 540
ccgccaccag aaacaaacag cacagaaatt aacgtataca gcacaaagaa acaaaaaaaaa 600
ttcctgactt ttccccccct tcccagtga ttagctttct ccggtttgtg acgagatgcc 660
tgcgtcgtc gtggacgtg ccgccccgt ggcccacgcc ttgcgcggt gcgacgcgtc 720
gccgcgtttc gccgtcccc tgctgggcc c 751

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<210> 13
<211> 1917
<212> DNA
<213> Hordeum vulgare

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<400> 13
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gacgccctgc tcatctgcaa cggctacaag gacctcgagt acgtctcgct cgcgctcadc 180
gcccgcacca tgggcctcaa caccgtcadc gtgctcgagc aggaggagga gctcgacatt 240
gtcgtcgagg ccagccgccg cctcaacadc cgcgccgtcg tcggcatgag cgccaagctg 300

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cgcaccaagc acgccggcca ctctggcgcc acctccggcg agaagggcaa gtctggcctc 360  
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 aacatgatgg acccgccac cgcctacctg ctcgacgagc tcaccgacga ctgccgaac 840  
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<210> 14  
 <211> 1374  
 <212> DNA  
 <213> *Oryza sativa*

<400> 14

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gtgcggacca  tcgtcgccgc  ggcaccgccg  cccgacagta  cgaccgcgac  cgcgggcgcg     180
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cgacgtcggc  gcgtacacca  ccgtgtgcag  ctgagacttc  aacgggttct  ccacgtccaa    1320
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<210>  15
<211> 1240
<212>  DNA
<213>  Oryza sativa

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gacatcgctg  ccagctccag  cgccaggagc  gcgttccacg  tcctggacct  cgccaagggtg     180
gtcgacctct  acgcgggatg  gcgccgcgcg  ctccccggcg  tgaggccctt  ctacgcgcgtc     240

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cacgtcagcc ataaacacct acctggcata ctccagctag 1240

<210> 16  
<211> 1227  
<212> DNA  
<213> *Oryza sativa*

<400> 16  
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ggcgcccga gcgcgttcca cgtcttcgac ctgcgcaagg tcgtcgacct ccaccgcggg 180  
tggcgccgcg cgctccccga cgtgcgcccc tgctacgccg tcaagtgcaa ccccgacggc 240  
gccatgctcg ccgcgctcgc cgcgctcggc gccggcttcg actgcgccag ccgcgccgag 300  
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atcaaggcgc ccgactccgg cgacgccaag gtcgacctgg ggctcaagta cggcgccaac 540  
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gtggtcaccg gctaccagct gccggagatg agcgtcggcg actggctcgt gttcgacgac 1140
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aagatccacc tggcatactc cagctag 1227

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<210> 17
<211> 756
<212> DNA
<213> Triticum aestivum

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<400> 17
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gagcggcgcg tccaacacgg acgtgtaccg gggcgccatc gaggcgcgc gcgggggtctt 180
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cgtggggggac tggctcgtgt tcgacgacat gggcgccctac accaccgct ccggctccaa 660
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<210> 18
<211> 797
<212> DNA
<213> Triticum aestivum

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<400> 18  
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 cggcagccgg gtcggtcatg ccgcccacgc gcgtgctcga tatcggcggc gggttcatgg 180  
 ccggcccggc gttcgacgag gcggccgagg tcatcaacgc ggcgctcgag cgttacttcg 240  
 gggagcttcc ctgctgggag gtgataggcg agccggggag gtacttcgcc gagaccgcct 300  
 tcacaatggc ggcgcgggtc atcggaagc gcactcgcg cgaggtagcg gagtactgga 360  
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 gggactggct cgtgttcgac gacatgggag cctacaccac cgcctccggc tccaacttca 600  
 acggcttctc cacctcgac atcaagacct acttggccta ctcaagctga tatggaactt 660  
 atgatgtggc cacgtactac gtagcacacg ccattcgatt tgttttcgca gtacaatgaa 720  
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<210> 19  
 <211> 720  
 <212> DNA  
 <213> Triticum aestivum

<400> 19  
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 ctcatgtttt aagttagata ttcacagtcg catccgtcgt cgagatgggt gggagcagcc 180  
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 caagccggag gccacctcg agtacgcggc tgaggtgggc gtccacctca ccacctatga 600  
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 gcatcaaggc cccgaaggcg ggaaggcccg gggtgccct cggcaccaag ttcggggcg 720

<210> 20  
 <211> 934  
 <212> DNA  
 <213> *Triticum aestivum*

<400> 20  
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 <213> *Oryza sativa*

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 <213> Triticum aestivum

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35 40 45

Ala Ala Trp Ser Ala Asp Leu Ser Ser Ala Leu Tyr Asn Val Asp Gly  
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Trp Gly Ala Pro Tyr Phe Phe Val Asn Asp Asp Gly Asp Val Ala Val  
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Arg Pro His Gly Ala Ala Thr Leu Pro Gly Gln Glu Ile Asp Leu Ala  
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Lys Val Val Ala Arg Ala Ala Gly Ala Arg Ala Gly Gly Gly Leu Gly  
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Leu Ala Leu Pro Leu Leu Val Arg Phe Pro Asp Val Leu Arg His Arg  
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Val Glu Thr Leu Asn Ala Ala Phe Ala Tyr Ala Val Arg Ser Thr Gly  
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Tyr Ala Gly Arg Tyr Gln Gly Val Tyr Pro Val Lys Cys Asn Gln Asp  
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Arg Tyr Val Val Glu Asp Ile Val Glu Phe Gly Ala Pro Phe Gly Phe  
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Gly Leu Glu Ala Gly Ser Lys Pro Glu Leu Leu Leu Thr Met Ser Cys  
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Leu Asn Thr Val Ile Val Leu Glu Gln Glu Glu Glu Leu Asp Ile Val  
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Val Glu Ala Ser Arg Arg Leu Asn Ile Arg Pro Val Val Gly Met Arg  
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Ala Lys Leu Arg Thr Lys His Ala Gly His Phe Gly Ala Thr Ser Gly  
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Glu Lys Gly Lys Phe Gly Leu Asn Ala Ala Gln Ile Leu Ser Val Val  
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Ala Lys Leu Lys Ala Leu Ala Met Leu Asp Cys Leu Gln Leu Leu His  
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Phe His Ile Gly Ser Gln Ile Pro Thr Thr Ala Leu Leu Ala Asp Gly  
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Val Gly Glu Ala Ala Gln Ile Tyr Cys Glu Leu Ala Arg Leu Gly Ala  
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Ala Met Arg Val Ile Asp Val Gly Gly Gly Leu Gly Ile Asp Tyr Asp  
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Gly Thr His Ser Ala Gln Thr Asp Met Ser Val Ala Tyr Ser Leu Glu  
355 360 365

Glu Tyr Ala Ala Ala Val Val Ala Ala Val Gly Arg Val Cys Asp Arg  
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Lys Gly Arg Ala Ala Pro Cys His Leu Ala Ala Arg Ala Gly Arg Pro  
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 <213> Zea mays

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