

SEQUENCE LISTING

<110> Johann Wolfgang Goethe-Universität Frankfurt am Main

<120> Prokaryotische Xylose-Isomerase zur Konstruktion
Xylose-vergärender Hefen

<130> U30216PCT

<150> DE 10 2008 031 350.5

<151> 2008-07-02

<160> 3

<170> PatentIn version 3.3

<210> 1

<211> 438

<212> PRT

<213> Clostridium phytofermentans

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35 40 45

Trp His Thr Leu Cys Ala Gly Gly Ala Asp Pro Phe Gly Val Thr Thr
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Met Asp Arg Thr Tyr Gly Asn Ile Thr Asp Pro Met Glu Leu Ala Lys
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Ala Lys Val Asp Ala Gly Phe Glu Leu Met Thr Lys Leu Gly Ile Glu
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Phe Phe Cys Phe His Asp Ala Asp Ile Ala Pro Glu Gly Asp Thr Phe
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Glu Glu Ser Lys Lys Asn Leu Phe Glu Ile Val Asp Tyr Ile Lys Glu
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Lys Met Asp Gln Thr Gly Ile Lys Leu Leu Trp Gly Thr Ala Asn Asn
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Phe Asp Gly Asp Phe Tyr Ile Glu Pro Lys Pro Lys Glu Pro Thr Lys
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His Gln Tyr Asp Phe Asp Thr Ala Thr Val Leu Ala Phe Leu Arg Lys
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Tyr Gly Leu Glu Lys Asp Phe Lys Met Asn Ile Glu Ala Asn His Ala
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 <213> Clostridium phytofermentans

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<223> Nukleinsäuresequenz des offenen Leserahmens (ORF) der
Xylose-Isomerase aus *C. phytofermentans* in einer
Codon-optimierten Form

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