

1010533-seq1-000001
SEQUENCE LISTING

<110> Mara Renewables Corporation

<120> ENHANCING MICROBIAL METABOLISM OF C5 ORGANIC CARBON

<130> 095523-1010533 (014W01)

<150> 62/191,983

<151> 2015-07-13

<150> 62/354,444

<151> 2016-06-24

<160> 30

<170> PatentIn version 3.5

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<211> 1723

<212> DNA

<213> Thraustochytrium sp.

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<212> DNA

<213> *Piromyces* sp.

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35 40 45

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Asp Asn Glu Arg Gly Val Ala His Gly Ala Gly Val Ala His Gln Ala
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Val Pro Ala Gly Ala Gly Arg Asp Arg His Glu Gly Ala Asp Gly Asp
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Asp Glu Pro Val His Ala Pro Gly Cys Ser Arg Asp Gly Ala Phe Thr
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Val Thr Glu Gln Gly Tyr Asp Leu Lys Phe Ala Ile Glu Pro Lys Pro
180 185 190

Asn Glu Pro Arg Gly Asp Ile Leu Leu Pro Thr Val Gly His Ala Leu
195 200 205

Ala Phe Ile Glu Arg Leu Glu Arg Pro Glu Leu Tyr Gly Val Asn Pro
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Glu Val Gly His Glu Gln Met Ala Gly Leu Asn Phe Pro His Gly Ile
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Ala Gln Ala Leu Trp Ala Gly Lys Leu Phe His Ile Asp Leu Asn Gly
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Leu Arg Ala Ala Phe Trp Leu Val Asp Leu Leu Glu Arg Ala Gly Tyr
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Ala Gly Pro Arg His Phe Asp Phe Lys Pro Pro Arg Thr Glu Asn Phe
290 295 300

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Leu Lys Asp Arg Ala Ala Ala Phe Arg Ala Asp Pro Gln Val Gln Glu
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Asp Gly Leu Ala Ala Leu Leu Ala Asp Arg Ser Ala Tyr Asp Thr Phe
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<212> DNA

<213> Saccharomyces sp.

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<211> 490

<212> DNA

<213> Thraustochytrium sp.

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