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[Continued on next page]

(54) Title: CELLULASE COMPOSITIONS AND METHODS OF USING THE SAME FOR IMPROVED CONVERSION OF LIGNOCELLULOSIC BIOMASS INTO FERMENTABLE SUGARS

No.	NT or AA	Name
1.	Nucleotide	Nucleotide sequence of Fv3A, a GH3 enzyme from <i>F. verticillioides</i>
2.	Amino acid	Protein sequence of Fv3A
3.	Nucleotide	Nucleotide sequence of Fv43A, a GH43 enzyme from <i>P. funiculosus</i>
4.	Amino acid	Protein sequence of Fv43A
5.	Nucleotide	Nucleotide sequence of Fv43E, a GH43 enzyme from <i>F. verticillioides</i>
6.	Amino acid	Protein sequence of Fv43E
7.	Nucleotide	Nucleotide sequence of Fv39A, a GH38 enzyme from <i>F. verticillioides</i>
8.	Amino acid	Protein sequence of Fv39A
9.	Nucleotide	Nucleotide sequence of Fv43A, a GH43 enzyme from <i>F. verticillioides</i>
10.	Amino acid	Protein sequence of Fv43A
11.	Nucleotide	Nucleotide sequence of Fv43B, a GH43 enzyme from <i>F. verticillioides</i>
12.	Amino acid	Protein sequence of Fv43B
13.	Nucleotide	Nucleotide sequence of Pab51A, a GH51 enzyme from <i>P. anserinus</i>
14.	Amino acid	Protein sequence of Pab51A
15.	Nucleotide	Nucleotide sequence of Gz43A, a GH43 enzyme from <i>G. zeae</i>
16.	Amino acid	Protein sequence of Gz43A
17.	Nucleotide	Nucleotide sequence of Fv43A, a GH43 enzyme from <i>F. oxysporum</i>
18.	Amino acid	Protein sequence of Fv43A
19.	Nucleotide	Nucleotide sequence of A43A, a GH43 enzyme from <i>A. fumigatus</i>
20.	Amino acid	Protein sequence of A43A
21.	Nucleotide	Nucleotide sequence of Pf51A, a GH51 enzyme from <i>P. funiculosus</i>
22.	Amino acid	Protein sequence of Pf51A
23.	Nucleotide	Nucleotide sequence of AluXyn2, a GH11 enzyme from <i>A. fumigatus</i>
24.	Amino acid	Protein sequence of AluXyn2
25.	Nucleotide	Nucleotide sequence of AluXyn5, a GH11 enzyme from <i>A. fumigatus</i>
26.	Amino acid	Protein sequence of AluXyn5

FIG. 1A

(57) Abstract: The present invention relates to compositions that can be used in hydrolyzing biomass such as compositions comprising a polypeptide having β -glucosidase activity, methods for hydrolyzing biomass material, and methods for improving the stability and saccharification efficacy of a composition comprising such β -glucosidase polypeptides and/or activity.

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