Claims

1. A method for treating textile with a polypeptide having endoglucanase activity selected from the group consisting of:

(a) a polypeptide having at least 90% sequence identity to the mature polypeptide of SEQ ID NO: 2;

(b) a polypeptide encoded by a polynucleotide that hybridizes under high, or very high stringency conditions with (i) the mature polypeptide coding sequence of SEQ ID NO: 1, or (ii) the full-length complementary strand of (i);

(c) a polypeptide encoded by a polynucleotide having at least 90% sequence identity to the mature polypeptide coding sequence of SEQ ID NO: 1;

(d) a variant of the mature polypeptide of SEQ ID NO: 2 comprising a substitution, deletion, and/or insertion at one or more (*e.g.*, several) positions; and

(e) a fragment of the polypeptide of (a), (b), (c), or (d) that has endoglucanase activity.

2. The method of claim 1, wherein the polypeptide having endoglucanase activity has at least 91%, at least 92%, at least 93%, at least 94%, at least 95%, at least 96%, at least 97%, at least 98%, at least 99%, or 100% sequence identity to the mature polypeptide of SEQ ID NO: 2,

3. The method of claim 1, wherein the polypeptide having endoglucanase activity comprises a substitution, deletion, and/or insertion of 10 or 9 or 8 or 7 or 6 or 5 or 4 or 3 or 2 or 1 amino acids of the mature polypeptide of SEQ ID NO: 2.

4. The method of any of claims 1-3, wherein the polypeptide having endoglucanase activity is obtained from *Neurospora,* especially *Neurospora tetrasperma* or *Neurospora crassa.*

5. The ~~polypeptide~~ method of any of claims 1-4, ~~comprising or consisting~~ wherein the polypeptide having endoglucanase activity comprises or consists of SEQ ID NO: 2 or SEQ ID NO: 4, or the mature polypeptide of SEQ ID NO: 2 or SEQ ID NO: 4.

6. The method of any of the preceding claims, wherein the treating textile is manufacturing the textile.

7. The method of any of the preceding claims, wherein the textile is cellulose-containing or cellulosic textile.

8. The method of claim 7, wherein the textile is cotton, viscose, rayon, ramie, linen, lyoell, or mixtures thereof, or mixtures of any of these fibers together with synthetic fibres.

~~7.~~ 9. A polypeptide having endoglucanase activity selected from the group consisting of:

(a) a polypeptide having at least 99% sequence identity to the mature polypeptide of SEQ ID NO: 2;

(b) a polypeptide encoded by a polynucleotide that hybridizes under high, or very high stringency conditions with (i) the mature polypeptide coding sequence of SEQ ID NO: 1, or (ii) the full-length complementary strand of (i);

(c) a polypeptide encoded by a polynucleotide having at least 99% sequence identity to the mature polypeptide coding sequence of SEQ ID NO: 1;

(d) a variant of the mature polypeptide of SEQ ID NO: 2 comprising a substitution, deletion, and/or insertion at one or more (*e.g.*, several) positions; and

(e) a fragment of the polypeptide of (a), (b), (c), or (d) that has endoglucanase activity.

~~8.~~ 10. The polypeptide of claim ~~7~~ 9, having at least 99% or 100% sequence identity to the mature polypeptide of SEQ ID NO: 2.

~~9.~~ 11. The polypeptide of claim ~~7 or 8~~ 9 or 10, comprising a substitution, deletion, and/or insertion of 5 or 4 or 3 or 2 or 1 amino acids of the mature polypeptide of SEQ ID NO: 2.

~~10.~~ 12. The polypeptide of any of claims ~~7-9~~ 9-11, comprising or consisting of SEQ ID NO: 2, or the mature polypeptide of SEQ ID NO: 2.

~~11.~~ 13. The polypeptide of any of claims ~~7-10~~ 9-12, wherein the mature polypeptide is amino acids 22 to 237 of SEQ ID NO: 2.

~~12.~~ 14. The polypeptide of any of claims ~~7-11~~ 9-13, which is obtained from *Neurospora,* especially *Neurospora tetrasperma* or *Neurospora crassa.*

~~13.~~ 15. A polynucleotide encoding the polypeptide of any of claims ~~7-12~~ 9-14.