Claims

1. Polypeptide comprising:

   i) the amino acid sequence of SEQ ID NO: 92 or a derivative thereof exhibiting at least 80% sequence identity with SEQ ID NO: 92;
   ii) the amino acid sequence of SEQ ID NO: 93 or a derivative thereof exhibiting at least 80% sequence identity with SEQ ID NO: 93;
   iii) the amino acid sequence of SEQ ID NO: 94 or a derivative thereof exhibiting at least 80% sequence identity with SEQ ID NO: 94;
   iv) the amino acid sequence of SEQ ID NO: 101 or a derivative thereof exhibiting at least 80% sequence identity with SEQ ID NO: 101;
   v) the amino acid sequence of SEQ ID NO: 102 or a derivative thereof exhibiting at least 80% sequence identity with SEQ ID NO: 102;
   vi) the amino acid sequence of SEQ ID NO: 103 or a derivative thereof exhibiting at least 80% sequence identity with SEQ ID NO: 103; or
   vii) the amino acid sequence of SEQ ID NO: 105 or a derivative thereof exhibiting at least 80% sequence identity with SEQ ID NO: 105.

2. The polypeptide according to claim 1, wherein the polypeptide degrades the peptidoglycan of Enterococcus bacteria, in particular of *Enterococcus faecalis* and/or *Enterococcus faecium* bacteria.

3. The polypeptide according to claim 1 or claim 2, wherein the polypeptide is at an about physiological pH, such as pH 7.4, more active than the wildtype enzyme (SEQ ID NO:1) and/or exhibits essentially the same or increased activity at about physiological pH compared to more acidic pH, such as pH 5.25 or 6.

4. A composition comprising a polypeptide of any one of the preceding claims and a pharmaceutically acceptable carrier, diluent or excipient.

5. The composition according to claim 4, wherein the composition is bone cement or comprises biomaterial.

6. A polypeptide according to any one of claims 1 to 3 or a composition according to any one of claims 4 to 5 for use in a method for treatment of the human or animal body by surgery or therapy or in diagnostic methods practiced on the human or animal body.

7. Use of the polypeptide or composition according to claim 6 in the manufacture of a medicament for the treatment or prevention of bacterial infections, in particular for the treatment or prevention of bacterial infections with *Enterococcus faecalis* and/or *Enterococcus faecium* bacteria.

8. The polypeptide or composition for use according to claim 6, wherein the polypeptide or composition is to be used at about physiological pH, e.g. at a pH of about 7.2 to 7.6, more preferably at a pH of about 7.4.

9. Use of a polypeptide according to any one of claims 1 to 3 or a composition according to claim 4 for disinfecting inanimate surfaces, compositions and/or objects, in particular in the nosocomial environment or in a doctor's office.

10. Use of a polypeptide according to any one of claims 1 to 3 or a composition according to claim 4 for preventing contamination of inanimate surfaces, compositions and/or objects with bacteria, in particular for preventing contamination with *Enterococcus faecalis* and/or *Enterococcus faecium* bacteria.

11. The use according to claim 9 or claim 10, wherein the polypeptide or composition is used at about physiological pH, e.g. at a pH of about 7.2 to 7.6, more preferably at a pH of about 7.4.

12. Nucleic acid encoding a polypeptide according to any one of claims 1 to 4.

13. Vector comprising a nucleic acid according to claim 12.

14. Host cell comprising a polypeptide according to any one of claims 1 to 3, a nucleic acid according to claim 12, and/or a vector according to claim 13.