CLAIMS

1. A composition for use in raising an immune response to *P. gingivalis* in a subject, the composition comprising an amount effective to raise an immune response of at least one antigenic or immunogenic portion of a polypeptide corresponding to an accession numbers selected from the group consisting of AAQ66654, AAQ65462, AAQ65742, AAQ66991, AAQ65561, AAQ66831, AAQ66797, AAQ66469, AAQ66587, ~~AAQ66654,~~ AAQ66977, AAQ65797, AAQ65867, AAQ65868, AAQ65416, AAQ65449, AAQ66051, AAQ66377, AAQ66444, AAQ66538, AAQ67117 and AAQ67118.

2. A composition of claim 1 wherein the portion has an amino acid sequence that is substantially identical to at least 50 amino acids of one of the polypeptides.

3. A composition of claim 1 or 2 wherein the polypeptide corresponds to an accession number selected from the group consisting of AAQ66654, AAQ65462, AAQ66991, AAQ65561 and AAQ66831.

4. A composition of claim 1 or 2 wherein the polypeptide corresponds to accession number ~~AAQ65742~~ AAQ66654.

5. A composition for use in raising an immune response to *P. gingivalis* in a subject, the composition comprising amount effective to raise an immune response of at least one polypeptide having an amino acid sequence substantially identical to at least 50 amino acids of a polypeptide expressed by *P. gingivalis* and that is predicted by the CELLO program to be extracellular.

6. A composition for use in raising an immune response to *P. gingivalis* in a subject, the composition comprising an amount effective to raise an immune response of at least one polypeptide having an amino acid sequence selected substantially identical to at least 50 amino acids of a polypeptide that causes an immune response in a mouse or a rabbit.

7. ~~A method of preventing, inhibiting or treating a subject for periodontal disease comprising administering to the subject~~ Use of an effective amount of composition according to any one of claims 1 to 6 in the manufacture of a medicament for administering to a subject for preventing, inhibiting or treating the subject for periodontal disease.

8. ~~A method of preventing or treating a subject for *P.gingivalis* infection comprising administering to the subject~~ Use of a composition according to any one of claims 1 to ~~7~~6 in the manufacture of a medicament for administering to a subject for preventing or treating the subject for *P. gingivalis* infection.

9. An antibody raised against an antigenic region of a polypeptide having an amino acid sequence, the sequence being substantially identical to at least 50 amino acids of one of the polypeptides corresponding to an accession number~~s~~ selected from the group consisting of AAQ66654, AAQ65462, AAQ65742, AAQ66991, AAQ65561, AAQ66831, AAQ66797, AAQ66469, AAQ66587, ~~AAQ66654,~~ AAQ66977, AAQ65797, AAQ65867, AAQ65868, AAQ65416, AAQ65449, AAQ66051, AAQ66377, AAQ66444, AAQ66538, AAQ67117 and AAQ67118.

10. An antibody of claim 9 wherein the polypeptide corresponds to an accession number selected from the group consisting of AAQ66654, AAQ65462, AAQ66991, AAQ65561 and AAQ66831.

11. An antibody of claim 9 wherein the polypeptide corresponds to an accession number selected from the group consisting of ~~AAQ65742~~ AAQ66654.

12. Use of a polypeptide having an amino acid sequence, the sequence being substantially identical to at least 50 amino acids of one of the polypeptides corresponding to an accession number selected from the group consisting of AAQ66654, AAQ65462, AAQ65742, AAQ66991, AAQ65561, AAQ66831, AAQ66797, AAQ66469, AAQ66587, AAQ66977, AAQ65797, AAQ65867, AAQ65868, AAQ65416, AAQ65449, AAQ66051, AAQ66377, AAQ66444, AAQ66538, AAQ67117 and AAQ67118 in the manufacture of a medicament for the treatment of *P. gingivalis* infection.

13. The use of claim 12, wherein the polypeptide corresponds to an accession number selected from the group consisting of AAQ66654, AAQ65462, AAQ66991, AAQ65561, and AAQ66831.

14. The use of claim 12, wherein the polypeptide corresponds to accession number AAQ66654.

15. Use of at least one antigenic or immunogenic portion of a polypeptide corresponding to an accession number selected from the group consisting of AAQ66654, AAQ65462, AAQ65742, AAQ66991, AAQ65561, AAQ66831, AAQ66797, AAQ66469, AAQ66587, AAQ66977, AAQ65797, AAQ65867, AAQ65868, AAQ65416, AAQ65449, AAQ66051, AAQ66377, AAQ66444, AAQ66538, AAQ67117 and AAQ67118 in the manufacture of a medicament for the treatment of *P. gingivalis* infection.

16. The use of claim 15, wherein the polypeptide corresponds to an accession number selected from the group consisting of AAQ66654, AAQ65462, AAQ66991, AAQ65561 and AAQ66831.

17. The use of claim 15, wherein the polypeptide corresponds to accession number AAQ66654.