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(54) Title: PORPHYROMONAS GINGIVALIS ANTIGENS FOR THE DIAGNOSIS AND TREATMENT OF PERIODONTITIS

(57) Abstract

The present invention provides a composition for use in raising an immune response directed against *Porphyromonas gingivalis*. The composition includes a suitable adjuvant and/or acceptable carrier and one substantially purified *P. gingivalis* immunogen. The immunogen is selected from the group consisting of Antigen 1, Antigen 2, Antigen 3, Antigen 4 and epitope containing fragments thereof, in which: Antigen 1 is an antigen of *P. gingivalis* and has an internal amino acid sequence: DLENKGEATLLVTFGSSYKAPRETYAKIEKTFAAAYPDQR; Antigen 2 is an antigen of *P. gingivalis* and has an internal amino acid sequence: DNPDENPLEGDITQTHTEKYVLAED; Antigen 3 is an antigen of *P. gingivalis* and has an internal amino acid sequence: DVLLLDVTPLSLGIETMGGVMTYLIDANTTIPKLK; Antigen 4 is an antigen of *P. gingivalis* and has an internal amino acid sequence: VYNASISAVGNTSAIDPVVQIIHHN.