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(54) Title: CHIMERIC PROTEIN VACCINE

(57) Abstract: The present invention provides a chimeric or fusion protein for inducing an immune response to *P. gultae*, the protein comprising a first polypeptide and a second polypeptide, wherein: A) the first polypeptide comprises or consists of an amino acid sequence of the active site of an Arg- or Lys-gingipain of *P. gultae*, or a sequence that is at least 80% identical thereto; and B) the second polypeptide comprises or consists of: the amino acid sequence of a DUF2436 domain of a *P. gultae* Arg- or Lys-gingipain; and the amino acid sequence of an adhesin domain of an Arg- or Lys-gingipain of *P. gultae*.

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