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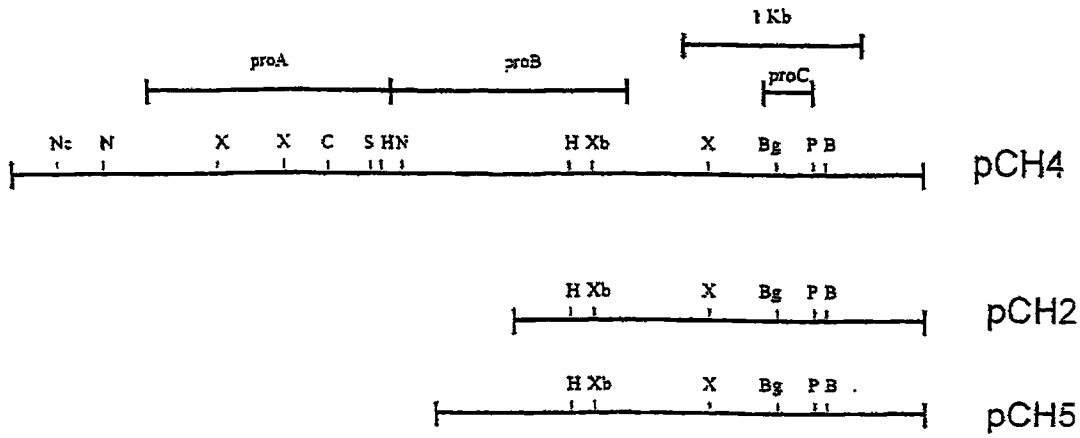
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(54) Title: EHRLICHIA CANIS GENES AND VACCINES



(57) Abstract: This invention provides the sequence of 5,300 nucleotides from the E. canis genome. There are four proteins, ProA, ProB, ORF, and a cytochrome oxidase homolog, as well as a partial lipoprotein signal peptidase homolog at the carboxy terminus, coded for in this cloned fragment. The antigenic properties of these proteins allow them to be used to create a vaccine. An embodiment of this invention includes the creation of a DNA vaccine, a recombinant vaccine, and a T cell epitope vaccine.

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