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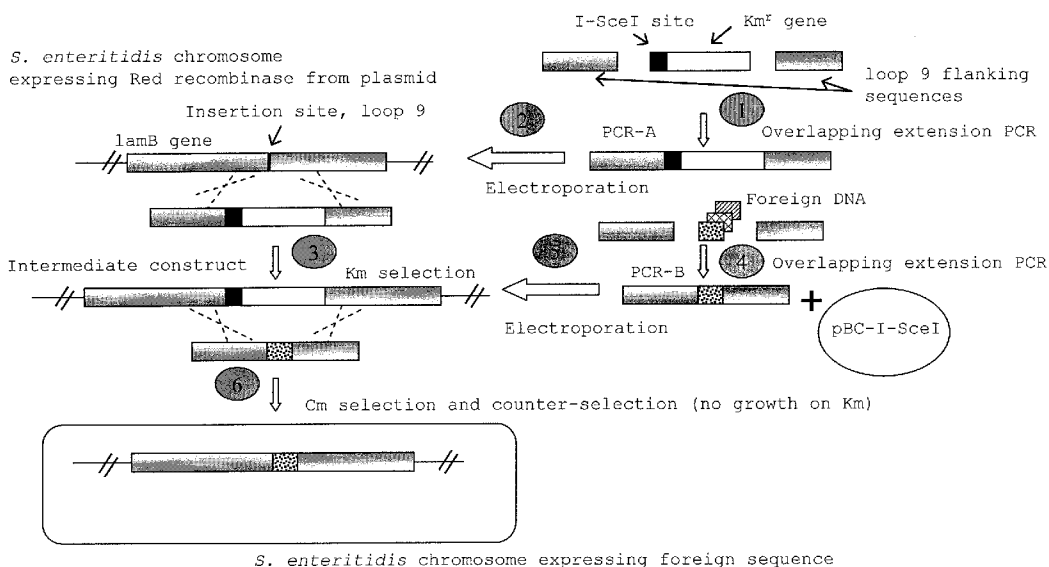
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[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS OF ENHANCING IMMUNE RESPONSES



(57) Abstract: Provided herein are *Salmonella enteritidis* 13A strains and compositions comprising these strains. Also provided are methods of enhancing an immune response against Influenza A and methods of reducing morbidity associated with an Influenza A infection. Methods of enhancing an immune response to a vaccine vector by expressing a polypeptide of CD 154 capable of binding CD40 are also disclosed. Methods of developing a bacterial vaccine vector are disclosed. Methods of generating scarless site-specific mutations in a bacterium are also disclosed.

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