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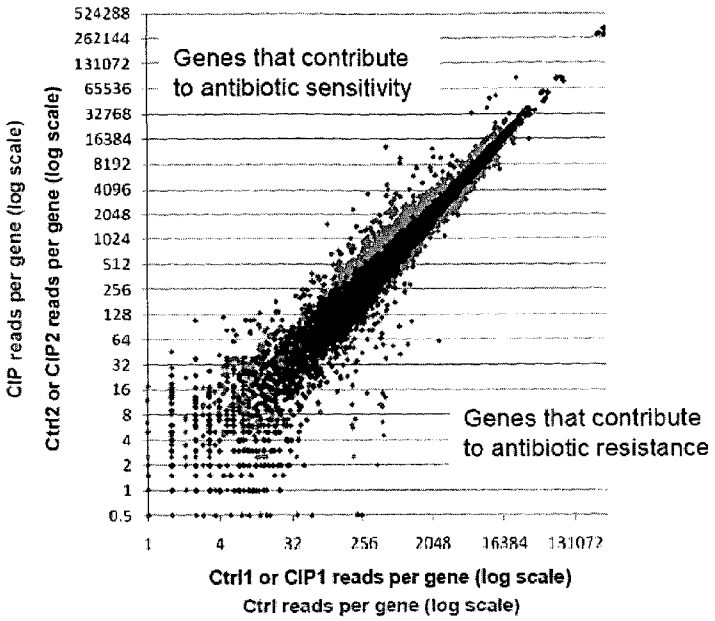
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[Continued on next page]

(54) Title: METHOD FOR IDENTIFYING ANTIBIOTIC TARGETS

FIGURE 1



(57) Abstract: Disclosed is a method for identifying an essential gene which serves as an antibiotic target in a bacterium, the method comprising the steps of: (a) generating a pool of mutant bacteria by transposon mutagenesis with an activating transposon (Tn_A), wherein the Tn_A comprises a promoter such that transposon insertion into bacterial DNA increases the transcription of a gene at or near the insertion site; (b) growing bacteria from the mutant pool in the presence of different amounts of said antibiotic to produce two or more test cultures; and (c) comparing the distribution of Tn_A insertions between test cultures to identify a putative essential gene serving as a target of said antibiotic in said bacterium.

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