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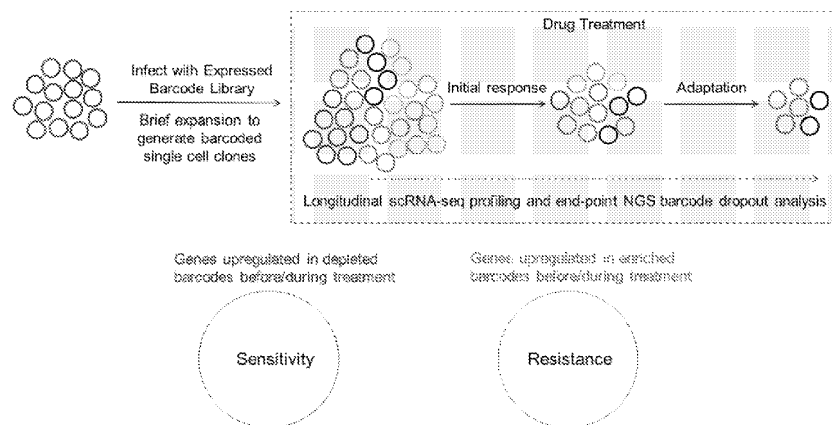
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(54) Title: SYSTEMS AND METHODS TO TRACK THE EVOLUTION OF SINGLE CELLS

FIG. 2



(57) Abstract: Cells in a given population often display heterogeneity that may affect how each cell responds to a particular treatment or growth condition. The methods described herein allow determination of which cells from an initial population survive a treatment or condition, and how surviving cells evolve over time. For example, the methods described herein may be used to model drug resistance, response and/or adaptation in a cell population.

[Continued on next page]

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