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(54) **COMPOSITIONS AND METHODS FOR ACCURATELY IDENTIFYING MUTATIONS**

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(57) **ABSTRACT**

The present disclosure provides compositions and methods for accurately detecting mutations by uniquely tagging double stranded nucleic acid molecules with dual cyphers such that sequence data obtained from a sense strand can be linked to sequence data obtained from an anti-sense strand when sequenced, for example, by massively parallel sequencing methods.

Specification includes a Sequence Listing.