



Computer Systems For Annotation Of Single Molecule Fragments

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The Invention

There are provided computer systems for visualizing and annotating single molecule images. Annotation systems in accordance with this disclosure allow a user to mark and annotate single molecules of interest and their restriction enzyme cut sites thereby determining the restriction fragments of single nucleic acid molecules. The markings and annotations may be automatically generated by the system in certain embodiments and they may be overlaid translucently onto the single molecule images. An image caching system may be implemented in the computer annotation systems to reduce image processing time. The annotation systems include one or more connectors connecting to one or more databases capable of storing single molecule data as well as other biomedical data. Such diverse array of data can be retrieved and used to validate the markings and annotations. The annotation systems may be implemented and deployed over a computer network. They may be ergonomically optimized to facilitate user interactions.

Additional Information

For More Information About the Inventors

- [David Schwartz](#)

Tech Fields

- [Research Tools : DNA & RNA tools](#)

For current licensing status, please contact Justin Anderson at janderson@warf.org or 608-960-9853